

AVONDALE DWG NO C3-222 29-01-026		REV -
CAGE 94421	COMSC DWG NO 085-6976180	

GENERAL NOTES

UNIT:		CDRL: B031-3					
DISTRIBUTION STATEMENT APPROVED FOR PUBLIC RELEASE, DISTRIBUTION IS UNLIMITED.		THIS DWG INCORPORATES THE FOLLOWING CHANGE ORDERS					
		HMR	HMR	HMR	FMR	FMR	FMR
2378		BRITTIN		2378		BRITTIN	
AVONDALE NO		VESSEL		AVONDALE NO		VESSEL	
 P O BOX 50280 NEW ORLEANS LA 70150-0280 CAGE 1CC97		AVONDALE JOB NO		C3-222			
		COMMANDER MILITARY SEALIFT COMMAND WASHINGTON, D.C. 20398-5100					
CONTRACT NUMBER N00024-93-C-2205		T-AKR 300 STRATEGIC SEALIFT SHIP					
DRAWN DATE A.R. 5/14/02		TANK CAPACITY CURVES (T-AKR 305 ONLY)					
CHECKED							
W.D.S. 5/14/02		SIZE B					
APVD							
D.F.N. 5/14/02		AVONDALE DWG NO C3-222 29-01-026		REV -			
APVD		CAGE 94421		DWG NO COMSC 085-6976180			
SCALE				SH NO 1 OF 76			

FORM B-TS (0893) SEALIFT

DRAWING DISTRIBUTION			INDEX									
REV	ISSUE TYPE	DATE OF ISSUE	SH NO	TITLE								
—	F	2012	1	TITLE SHEET								
			2	DISTRIBUTION/INDEX								
			3	INDEX (CONT.)								
			4	GENERAL NOTES								
			5	REVISIONS								
			6-10	KEY PLANS								
			11	SALT WATER BALLAST TANK SUMMARY								
			11	FRESH WATER TANK SUMMARY								
			11	LIST CONTROL TANK AND FIXED BALLAST TANK SUMMARY								
			12	FUEL OIL TANK SUMMARY								
			12	LUBE OIL TANK SUMMARY								
			12	MISCELLANEOUS TANK SUMMARY								
			13	FOREPEAK BALLAST TANK 8-K-0								
			14	FWD SW BALLAST TANK 8-20-0								
			15	NO 1 WING BALLAST TANK P 6-24-2								
			16	NO 1 WING BALLAST TANK S 6-24-1								
			17	NO 2A WING BALLAST TANK P 7-33-2								
			18	NO 2A WING BALLAST TANK S 7-33-1								
			19	NO 2B WING BALLAST TANK P/S 8-38-4/3								
			20	NO 2C WING BALLAST TANK P 8-44-4								
			21	NO 2C WING BALLAST TANK S 8-44-3								
			22	NO 3A WING BALLAST TANK P 8-50-4								
			23	NO 3A WING BALLAST TANK S 8-50-3								
			24	NO 3B WING BALLAST TANK P 8-57-2								
			25	NO 3B WING BALLAST TANK S 8-57-1								
			26	NO 3C WING BALLAST TANK P 8-64-4								
			27	NO 3C WING BALLAST TANK S 8-64-3								
			28	NO 4A WING BALLAST TANK P 8-71-4								
			29	NO 4A WING BALLAST TANK S 8-71-3								
			30	NO 4B WING BALLAST TANK P 8-78-4								
			REVISIONS			SIZE B	AVONDALE DWG NO C3-222 29-01-026				REV —	
							CAGE 94421		DWG NO COMSC 085-6976180			
											SH NO 2	

INDEX										
SH NO	TITLE	SH NO	TITLE	SH NO	TITLE					
31	NO 4B WING BALLAST TANK S 8-78-3	66	CSA WASTE OIL TANK 8-87-2							
32	NO 6A WING BALLAST TANK P/S8-99-4/3	67	CSA OILY WASTE HOLDING TANK 8-87-4							
33	NO 6B WING BALLAST TANK P/S8-103-4/3	68	ENGINE ROOM WASTE OIL TANK 8-94-2							
34	NO 6D SW BALLAST TANK P/S 8-109-2/1	69	ENGINE ROOM OILY WASTE HOLDING TANK8-93-2							
35	AFT PEAK BALLAST TANK P/S 8-113-2/1	70	OILY WASTE DRAIN COLLECTING TANK 7.5-86-2							
36	LIST CONTROL TANK P/S 6-64-2/1	71	USED OIL TANK 8-93-3							
37	POTABLE WATER TANK NO 1 5-95-7	72	FUEL OIL OVERFLOW TANK 8-93-1							
38	POTABLE WATER TANK NO 2 5-95-9	73	STERN TUBE LO DRAIN TANK P/S 7.5-97-2/1							
39	RESV FEED WATER TANK 5-91-1	74	VCHT TANK 2.5-91-2							
40	DIST WATER TANK 4.5-91-1	75	WASTE WATER TANK 2.5-94-2							
41	FUEL OIL TANK NO 1B P/S 8-29-2/1	76	FIXED BALLAST TANK 8-57-0							
42	FUEL OIL TANK NO 2A P/S 8-33-2/1									
43	FUEL OIL TANK NO 2B P/S 8-38-2/1									
44	FUEL OIL TANK NO 2C P/S 8-44-2/1									
45	FUEL OIL TANK NO 3A P/S 8-50-2/1									
46	FUEL OIL TANK NO 3C P/S 8-64-2/1									
47	FUEL OIL TANK NO 4A P/S 8-71-2/1									
48	FUEL OIL TANK NO 4B P/S 8-78-2/1									
49	FUEL OIL TANK NO 6A P/S 8-99-2/1									
50	FUEL OIL TANK NO 6B P/S 8-103-2/1									
51	FUEL OIL TANK NO 6C P/S 8-106-2/1									
52	SSDG FUEL OIL SERVICE TANK 6.5-99-1									
53	FUEL OIL SETTLING TANK 8-99-0									
54	FUEL OIL SERVICE TANK P 6.5-85-2									
55	FUEL OIL SERVICE TANK S 6.5-85-1									
56	EM GEN FO SERVICE TANK 02.5-103-1									
57	ME/SSDG LO STORAGE TANK P 6.5-91-2									
58	ME/SSDG LO STORAGE TANK S 6.5-90-1									
59	ME/SSDG LO SETTLING TANK P 6.5-93-2									
60	CPP LO STORAGE TANK 5-93-2									
61	CPP LO SETTLING TANK 5-95-3	REVISIONS			SIZE B	AVONDALE DWG NO				REV -
62	RG LO STORAGE TANK 5-92-2					C3-222 29-01-026				
63	RG LO SETTLING TANK 5-95-5					CAGE				
64	ME LO SUMP TANK P/S 7.5-86-4/1					94421				
65	ME LO SUMP TANK P/S 7.5-86-6/3					DWG NO				
						COMSC 085-6976180				SH NO 3

GENERAL NOTES

1. THE TANK CAPACITY DATA PRESENTED IN THIS BOOKLET ARE BASED ON A ZERO TRIM AND LIST CONDITION OF THE VESSEL.
2. THE CALCULATIONS INCLUDE A 2% DEDUCTION VALUE FOR ITEMS SUCH AS STRUCTURE, PIPING AND OUTFITTING LOCATED WITHIN THE BOUNDARIES. THESE DEDUCTIONS WERE APPLIED UNIFORMLY OVER THE DEPTH OF THE TANK.
3. FOR SIMPLICITY, ANY SYMMETRICAL (PORT & STBD) TANKS ARE DESIGNATED AS "P OR S" ON THE HEADING OF THEIR RESPECTIVE CURVE PLOTS. THE DATA PROVIDED IN SUCH PLOTS ARE FOR EITHER PORT OR STBD TANKS. HOWEVER, VALUES FOR EACH TANK ARE LISTED IN THE TANK SUMMARY TABLES.
4. THE REFERENCE PLANES USED IN THE CURVES ARE AS FOLLOWS:
 - A) VERTICAL: BOTTOM OF THE KEEL = 0.07' BELOW BASELINE.
 - B) LONGITUDINAL: FWD PERPENDICULAR = 0.00' FROM FRAME 0
 - C) TRANSVERSE: LONGITUDINAL CENTERLINE = PORT IS POSITIVE, STARBOARD IS NEGATIVE.

NOTE: THE TCG VALUES SHOWN ON THE CURVES FOR SYMMETRICAL (P & S) TANKS ARE SHOWN AS POSITIVE VALUES. IF A SYMMETRICAL PAIR OF TANKS ARE USED INDIVIDUALLY, SIMPLY USE A NEGATIVE TCG VALUE FOR THE STARBOARD TANK.

5. THE FOLLOWING CONVERSION FACTORS MAY BE USEFUL:

<u>DIVIDE</u>	<u>BY</u>	<u>TO OBTAIN</u>
GALLONS	261.835	LONG TONS SALT WATER
GALLONS	269.316	LONG TONS FRESH WATER
GALLONS	316.596	LONG TONS DFM
GALLONS	291.759	LONG TONS LUBE OIL
GALLONS	7.481	CUBIC FEET

GENERAL NOTES (CONT'D)

5. CONVERSION FACTORS CONTINUED:

<u>MULTIPLY</u>	<u>BY</u>	<u>TO OBTAIN</u>
LONG TONS	2240	POUNDS
LONG TONS	1.12	SHORT TONS
LONG TONS	1.016	METRIC TONS
LONG TONS SW	35.00	CUBIC FEET
LONG TONS FW	36.00	CUBIC FEET
LONG TONS DFM	42.32	CUBIC FEET
LONG TONS LO	39.00	CUBIC FEET

6. ALL CURVES EXCEPT THE VCG CURVE ARE TO BE READ AS FOLLOWS: DETERMINE THE HEIGHT ABOVE KEEL OF THE LIQUID SURFACE, READ ACROSS TO THE DESIRED CURVE, THEN READ UP OR DOWN TO THE APPROPRIATE SCALE.

THE VCG CURVE IS READ BY FIRST DETERMINING THE HEIGHT ABOVE KEEL OF THE LIQUID SURFACE AND THEN READ ACROSS TO THE CAPACITY CURVE. NEXT, READ DOWN TO THE VCG CURVE AND THEN BACK TO THE "HEIGHT ABOVE KEEL" SCALE.

THE CONVERSION OF CURVE READINGS IS DETERMINED BY USING THE CORRESPONDING SCALING VALUES IN THE LOWER RIGHT CORNER OF EACH PLOT.

REVISIONS

SIZE

B

AVONDALE DWG NO
C3-222 29-01-026

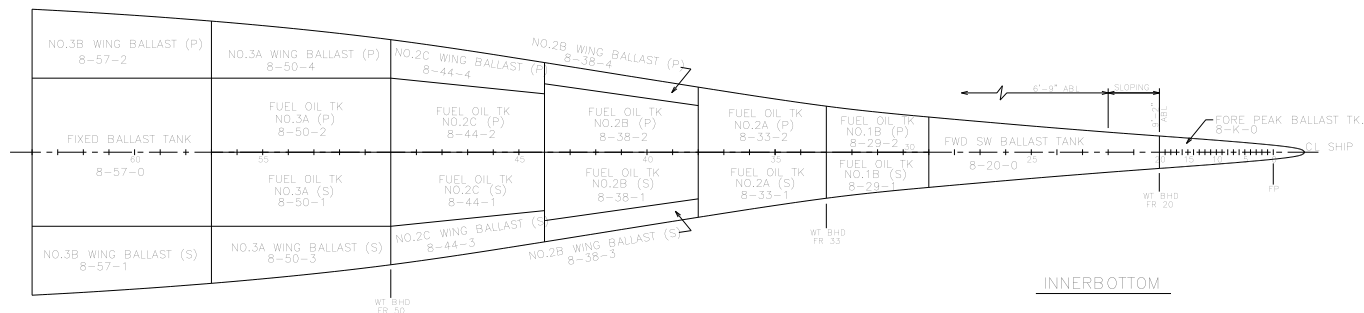
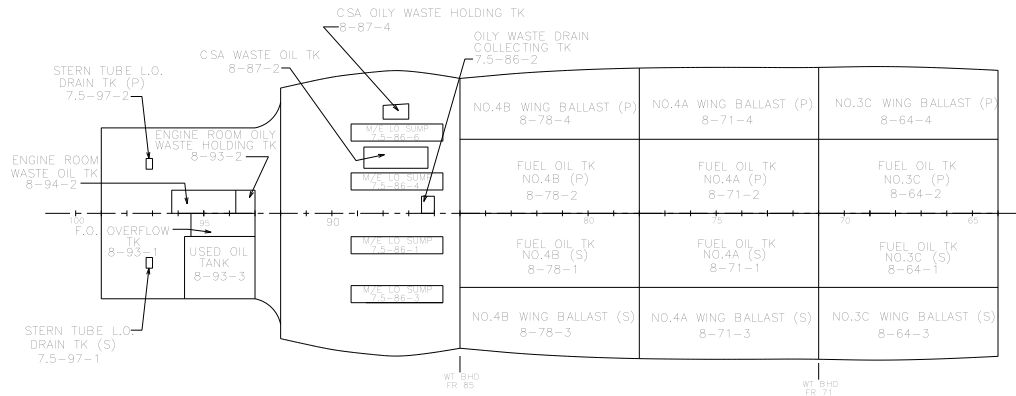
REV
-

CAGE
94421

DWG NO
COMSC 085-6976180

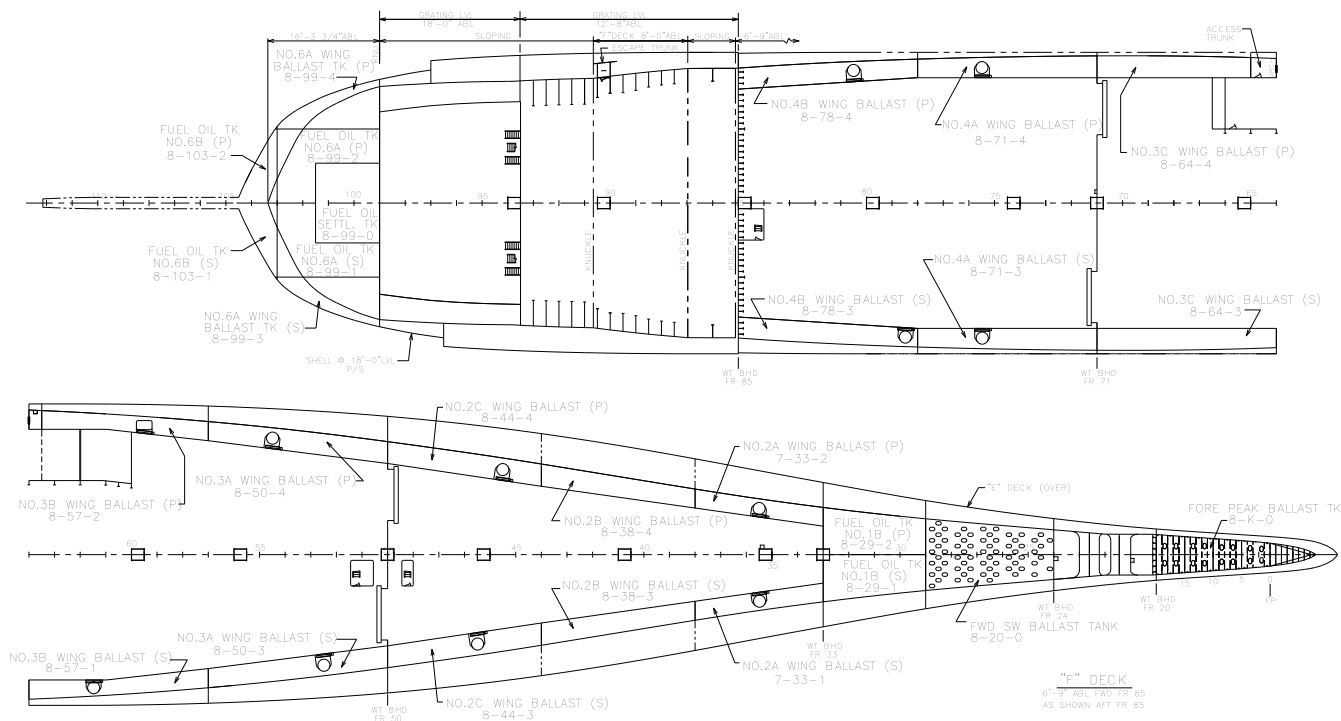
SH NO 4

										REVISIONS																			
										REV	SH ZN	DESCRIPTION																	
														SIZE	AVONDALE DWG NO										REV				
														B	C3-222 29-01-026										-				
															CAGE					DWG NO									
															94421					COMSC 085-6976180									
										REVISIONS														SH NO 5					



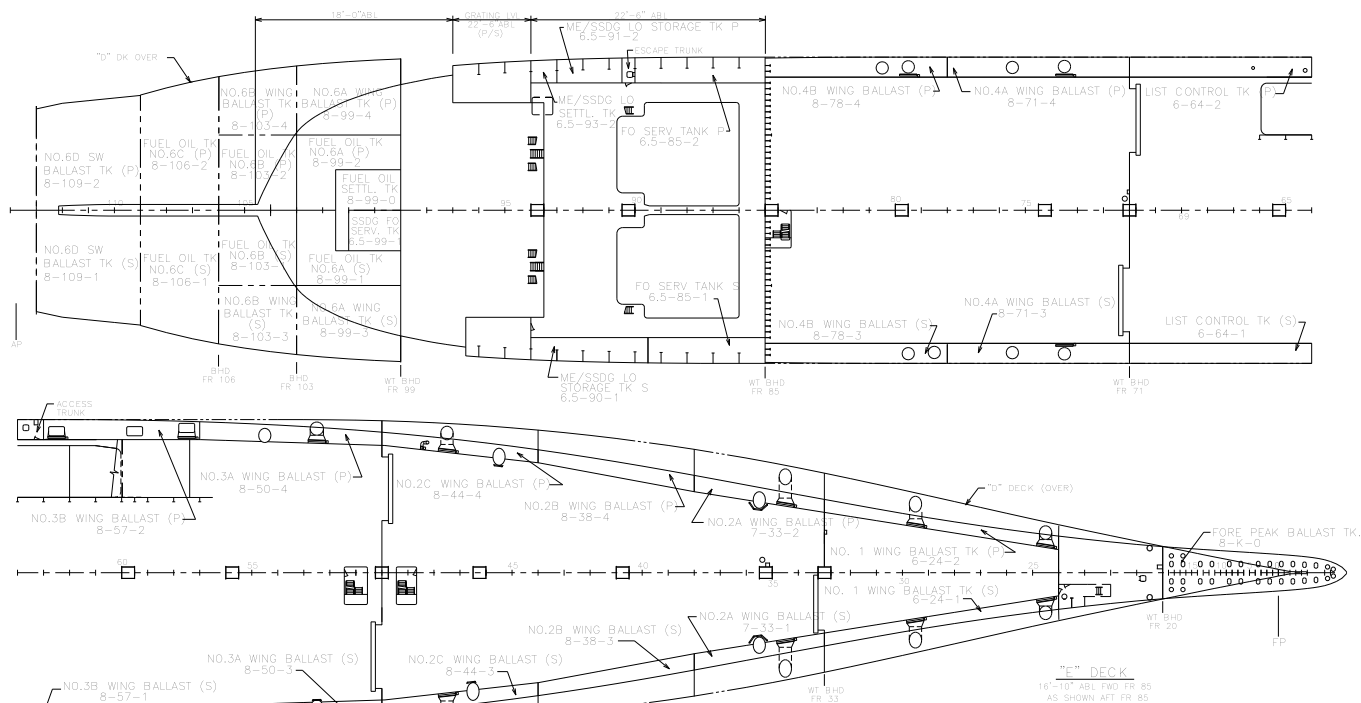
KEY PLAN

REVISIONS		SIZE	AVONDALE DWG NO		REV
		B	C3-222	29-01-026	—
			CAGE	DWG NO	
			94421	COMSC	085-6976180
				SH NO	6



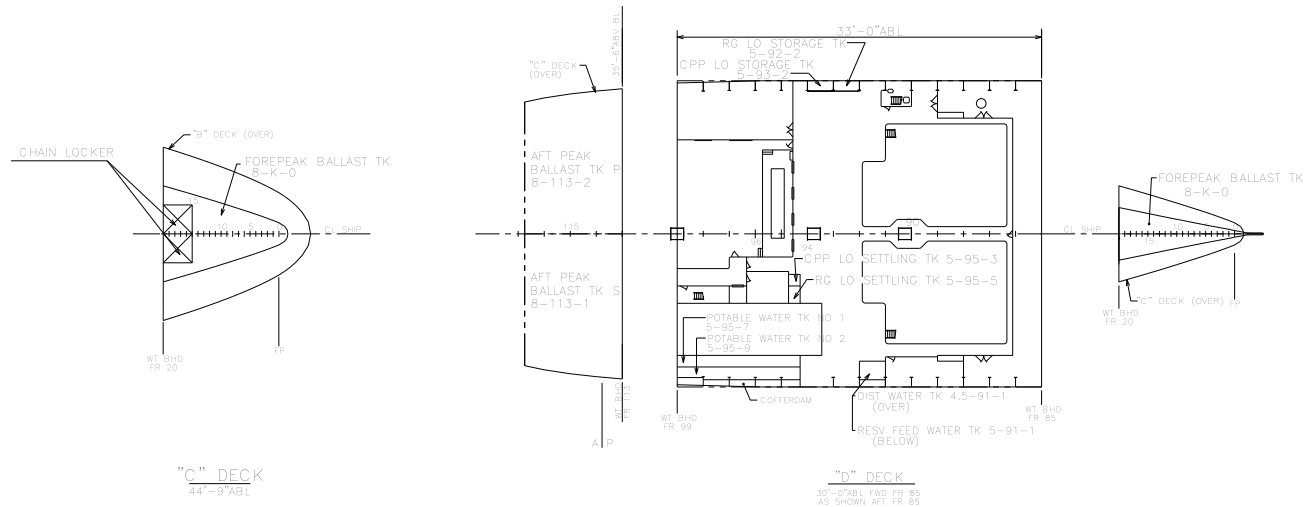
KEY PLAN

REVISIONS		SIZE	AVONDALE DWG NO		REV
		B	C3-222	29-01-026	—
			CAGE	DWG NO	
			94421	COMSC	085-6976180
				SH NO	7



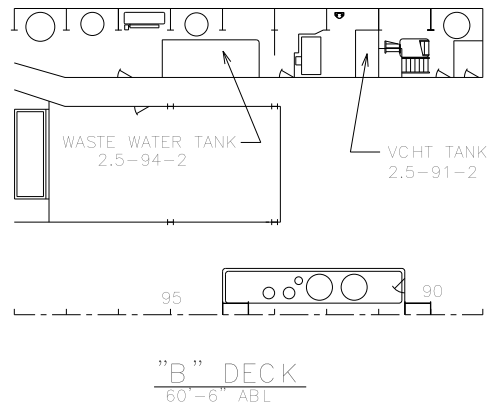
KEY PLAN

REVISIONS		SIZE	AVONDALE DWG NO	REV
		B	C3-222 29-01-026	—
		CAGE	DWG NO	
		94421	COMSC	085-6976180
			SH NO	8



KEY PLAN

REVISIONS		SIZE	AVONDALE DWG NO		REV
		B	C3-222	29-01-026	—
			CAGE	DWG NO	
			94421	COMSC	085-6976180
				SH NO	9



KEY PLAN

REVISIONS						SIZE	AVONDALE DWG NO				REV
						B	C3-222		29-01-026		—
CAGE	DWG NO										
94421	COMSC		085-6976180								
							SH NO	10			

BALLAST TANK SUMMARY

TANK	FRAME		CAPACITY 100% FULL (GALLONS)	CENTERS @ 100%			MAX FREE SURF (FT-LT)
				VCG ABV KL (FEET)	LCG FROM FP (FEET)	TCG FROM CL (FEET)	
FOREPEAK	8-K-0	STEM-20	326785	36.98	18.54	0.00	9415.0
FWD SW BALLAST TK	8-20-0	20-29	134879	9.55	95.19	-0.02	3338.7
NO 1 WING BALLAST TK P	6-24-2	24-33	52493	24.68	120.74	19.24	718.4
NO 1 WING BALLAST TK S	6-24-1	24-33	54265	24.49	120.19	-19.12	719.5
NO 2A WING BALLAST TK P	7-33-2	33-38	74305	18.85	180.34	24.95	515.4
NO 2A WING BALLAST TK S	7-33-1	33-38	74749	18.75	180.32	-24.88	533.5
NO 2B WING BALLAST TK P	8-38-4	38-44	108367	17.62	228.83	31.90	887.6
NO 2B WING BALLAST TK S	8-38-3	38-44	108367	17.62	228.83	-31.90	887.6
NO 2C WING BALLAST TK P	8-44-4	44-50	103007	15.61	283.22	37.61	802.7
NO 2C WING BALLAST TK S	8-44-3	44-50	102877	15.58	282.90	-37.63	764.8
NO 3A WING BALLAST TK P	8-50-4	50-57	124786	13.78	341.87	41.46	816.0
NO 3A WING BALLAST TK S	8-50-3	50-57	122339	13.57	341.65	-41.41	816.0
NO 3B WING BALLAST TK P	8-57-2	57-64	121702	11.13	403.27	42.28	1786.4
NO 3B WING BALLAST TK S	8-57-1	57-64	127398	11.27	404.93	-42.61	1786.4
NO 3C WING BALLAST TK P	8-64-4	64-71	103286	6.44	469.27	40.92	2414.6
NO 3C WING BALLAST TK S	8-64-3	64-71	108876	6.73	467.80	-41.29	2414.6
NO 4A WING BALLAST TK P	8-71-4	71-78	143013	11.15	530.14	43.28	2350.3
NO 4A WING BALLAST TK S	8-71-3	71-78	144204	11.15	530.12	-43.33	2350.3
NO 4B WING BALLAST TK P	8-78-4	78-85	137277	11.83	593.94	42.85	1839.0
NO 4B WING BALLAST TK S	8-78-3	78-85	138709	11.87	594.35	-42.90	1839.0
NO 6A WING BALLAST TK P	8-99-4	99-103	79092	24.73	767.41	36.11	1330.7
NO 6A WING BALLAST TK S	8-99-3	99-103	79092	24.73	767.41	-36.11	1330.7
NO 6B WING BALLAST TK P	8-103-4	103-106	33054	27.07	799.08	34.53	682.5
NO 6B WING BALLAST TK S	8-103-3	103-106	33054	27.07	799.08	-34.53	682.5
NO 6D SW BALLAST TK P	8-109-2	109-113	36960	30.62	857.13	12.12	1714.8
NO 6D SW BALLAST TK S	8-109-1	109-113	36960	30.62	857.13	-12.12	1714.8
AFT PEAK BALLAST TK P	8-113-2	113-117	92901	39.83	893.02	19.17	6929.8
AFT PEAK BALLAST TK S	8-113-1	113-117	92901	39.83	893.02	-19.17	6929.8
TOTALS			2895698	19.07	404.32	-0.21	58311.4

FRESH WATER TANK SUMMARY

TANK		FRAME	CAPACITY 00% FULL GALLONS	CENTERS @ 100%			MAX FREE SURF (FT-LT)
				VCG ABV KL (FEET)	LCG FROM FP (FEET)	TCG FROM CL (FEET)	
POTABLE WATER TANK NO 1	5-95-2	94-99	12706	38.90	729.75	-44.26	4.1
POTABLE WATER TANK NO 2	5-95-9	94-99	15827	38.94	729.07	-48.17	8.1
RESV FEED WATER TANK	5-91-1	91-92	2513	35.91	683.50	-47.21	5.5
DIST WATER TANK	4.5-91-1	91-92	2513	41.98	683.50	-47.21	5.5
TOTALS			33559	38.93	722.69	-46.54	23.2

LIST CONTROL TANK SUMMARY

TANK		FRAME	CAPACITY 00% FULL (GALLONS)	CENTERS @ 100%			MAX FREE SURF (FT-LT)
				VCG ABV KL (FEET)	LCG FROM FP (FEET)	TCG FROM CL (FEET)	
LIST CONTROL TANK P 6-64-2		64-71	42076	23.48	467.50	49.46	48.7
LIST CONTROL TANK S 6-64-1		64-71	42076	23.48	467.50	-49.46	48.7
TOTALS			84152	23.48	467.50	0.00	97.4

FIXED BALLAST TANK SUMMARY

TANK	FRAME	CAPACITY 00% FULL (GALLONS)	CENTERS @ 100%			MAX FREE SURF (FT-LT)
			VCG ABV KL (FEET)	LCG FROM FP (FEET)	TCG FROM CL (FEET)	
FIXED BALLAST TANK 8-57-0	57-64	162126	3.45	404.50	0.0	0.0
TOTALS		162126	3.45	404.50	0.0	0.0

REVISIONS

SIZE

B

AVONDALE DWG NO
C3-222 29-01-026

REV
—

CAGE
94421

DWG NO
CUMSC 085-6976180

SH NO 11

FUEL OIL TANK SUMMARY

TANK	FRAME	CAPACITY 100% FULL GALLONS	CAPACITY 98% FULL GALLONS	CENTERS @ 98%			MAX FREE SURF (FT-LT)
				VCG AVE KL (FEET)	CG FROM FP (FEET)	CG FROM CL (FEET)	
FUEL OIL TANK NO 1B P 8-29-2	29-33	66501	65173	9.95	139.78	8.43	757.3
FUEL OIL TANK NO 1B S 8-29-2	29-33	66501	65173	9.95	139.78	-8.43	757.3
FUEL OIL TANK NO 2A P 8-33-2	33-38	30620	30007	3.96	180.92	-7.52	679.3
FUEL OIL TANK NO 2A S 8-33-2	33-38	30620	30007	5.96	180.92	-7.52	679.3
FUEL OIL TANK NO 2B P 8-38-2	38-44	48679	47705	3.65	230.86	9.48	915.9
FUEL OIL TANK NO 2B S 8-38-2	38-44	48679	47705	3.65	230.86	-9.48	915.9
FUEL OIL TANK NO 2C P 8-44-2	44-50	60550	59337	3.46	284.21	11.45	1349.7
FUEL OIL TANK NO 2C S 8-44-2	44-50	60550	59337	3.46	284.21	-11.45	1349.7
FUEL OIL TANK NO 3A P 8-50-2	50-57	80829	79212	3.39	341.56	12.97	2136.6
FUEL OIL TANK NO 3A S 8-50-2	50-57	80829	79212	3.39	341.56	-12.97	2136.6
FUEL OIL TANK NO 3C P 8-64-2	64-71	81063	79442	3.38	467.50	13.00	2136.6
FUEL OIL TANK NO 3C S 8-64-2	64-71	81063	79442	3.38	467.50	-13.00	2136.6
FUEL OIL TANK NO 4A P 8-71-2	71-78	81063	79442	3.38	530.50	13.00	2136.6
FUEL OIL TANK NO 4A S 8-71-2	71-78	81063	79442	3.38	530.50	-13.00	2136.6
FUEL OIL TANK NO 4B P 8-78-2	78-85	80921	79303	3.38	593.45	12.98	2126.2
FUEL OIL TANK NO 4B S 8-78-2	78-85	80921	79303	3.38	593.45	-12.98	2126.2
FUEL OIL TANK NO 6A P 8-99-2	99-103	75747	74232	23.02	771.74	16.07	705.8
FUEL OIL TANK NO 6A S 8-99-2	99-103	75747	74232	23.02	771.74	-16.07	705.8
FUEL OIL TANK NO 6B P 8-103-2	103-106	65123	63821	25.04	799.72	12.60	915.7
FUEL OIL TANK NO 6B S 8-103-2	103-106	65123	63821	25.04	799.72	-12.60	915.7
FUEL OIL TANK NO 6C P 8-106-2	106-109	57393	56245	27.61	825.97	17.25	4225.3
FUEL OIL TANK NO 6C S 8-106-2	106-109	57393	56245	27.61	825.97	-17.25	4225.3
SSDG FO SERVICE TANK 6.5-99-2	99-101	12010	11770	28.26	760.00	-7.00	95.3
FUEL OIL SETTLING TANK 8-99-2	99-102	78446	74917	20.76	762.17	1.03	953.2
FUEL OIL SERVICE TK P 6.5-85-2	85-90	30837	30221	27.72	647.49	48.45	61.4
FUEL OIL SERVICE TK S 6.5-85-2	85-90	27764	27209	27.72	645.25	-48.45	55.3
EM GEN FO SERVICE TK 02.5-103-2	102-103	2566	2515	120.49	785.12	-8.00	5.2
TOTALS		1606601	1574470	11.40	512.14	0.08	3734.1

LUBE OIL TANK SUMMARY

TANK	FRAME	CAPACITY 100% FULL GALLONS	CAPACITY 98% FULL GALLONS	CENTERS @ 98%			MAX FREE SURF (FT-LT)
				VCG AVE KL (FEET)	CG FROM FP (FEET)	CG FROM CL (FEET)	
IL/SSDG LO STORAGE TK P 6.5-91-2	91-93	14928	14630	27.76	685.79	48.45	32.5
IL/SSDG LO STORAGE TK S 6.5-91-2	90-94	27389	26852	27.77	685.63	-48.39	59.9
IL/SSDG LO SETTLING TK P 6.5-93-2	93-94	5990	5870	27.81	701.49	48.33	13.3
ILP LO STORAGE TANK 5-93-2	93-94	2765	2710	38.83	701.50	51.12	0.9
ILP LO SETTLING TANK 5-95-2	94-95	587	575	35.52	710.50	-16.00	0.5
RG LO STORAGE TANK 5-92-2	92-93	2776	2721	38.83	692.50	51.12	0.9
RG LO SETTLING TANK 5-95-2	94-95	1408	1380	36.99	710.50	-21.00	1.8
ME LO SUMP TK S 7.5-86-2	86-89	5664	5551	8.14	643.36	-11.00	11.9
ME LO SUMP TK P 7.5-86-4	86-89	5664	5551	8.14	643.36	11.00	11.9
ME LO SUMP TK S 7.5-86-3	86-89	5659	5546	8.14	643.36	-28.17	11.9
ME LO SUMP TK P 7.5-86-6	86-89	5659	5546	8.14	643.36	28.17	11.9
TOTALS		78489	76932	23.11	676.11	-0.88	157.4

MISCELLANEOUS TANK SUMMARY

TANK	FRAME	CAPACITY 100% FULL GALLONS	CAPACITY 98% FULL GALLONS	CENTERS @ 98%			MAX FREE SURF (FT-LT)
				VCG AVE KL (FEET)	CG FROM FP (FEET)	CG FROM CL (FEET)	
CSA WASTE OIL TANK 8-87-2	86-89	9067	8886	4.23	647.31	19.54	18.0
CSA OILY WASTE HOLDING TANK 8-87-4	87-88	2073	2031	5.03	647.36	35.61	2.6
ENGINE ROOM WASTE OIL TANK 8-94-2	94-97	8199	8035	8.77	714.88	4.04	23.2
ENGINE ROOM OILY WASTE HOLDING TK 8-93-2	93-94	2418	2369	7.14	700.33	4.04	7.0
OILY WASTE DRAIN COLLECTING TANK 7.5-86-2	86-87	627	615	5.97	636.26	3.00	1.9
USED OIL TANK 8-93-3	93-96	26453	25917	8.47	709.13	-21.09	1041.8
TO OVERFLOW TANK 8-93-1	93-96	8209	8045	8.03	708.11	-4.04	23.2
STERN TUBE LO DRAIN TANK P 7.5-97-2	97-98	103	101	11.23	734.13	17.58	0.3
STERN TUBE LO DRAIN TANK S 7.5-97-1	97-98	103	101	11.23	734.13	-17.58	0.3
WCHT TANK 2.5-91-2	91-92	2352	2305	67.26	681.01	45.17	5.5
WASTE WATER TANK 2.5-94-2	94-95	11707	11473	70.33	708.06	44.25	10.9
TOTALS		71311	69878	21.82	698.27	6.19	1134.7

REVISIONS

SIZE
B

AVONDALE DWG NO
C3-222 29-01-026

REV
—

CAGE
94421

DWG NO
CLMSC 085-6976180

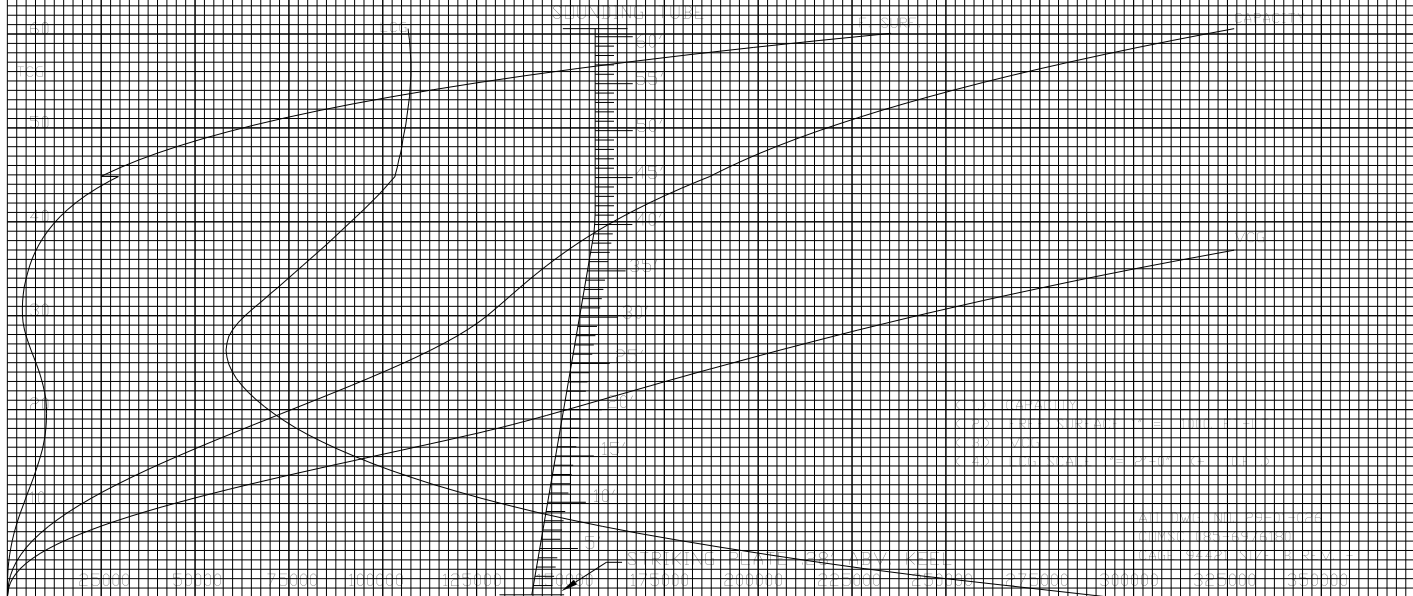
SH NO 12

TANK: FOREPEAK BALLAST TANK 8-K-0

HEIGHT ABOVE KEEL - FEET

CONDITION OF TANK	CAPACITY IN GALLONS	VCG, FT.ABOVE KEEL	LCG, FT. FROM F.P.	TCG(1) FT. FROM CL	FREE(2) SURFACE FT-LT
100% FULL	326785.	36.98	18.54	0.00	MAXIMUM
					9415.0

SPILLING TUBE TERMINATES 4' 7 1/2" FROM TOP OF 52" DIA. HATCH



TANK: FWD SW BALLAST TANK 8-20-0

CONDITION OF TANK	CAPACITY IN GALLONS	VCG. FT.ABOVE KEEL	LCG. FT. FROM F.P.	TCG.(1) FT. FROM C.L.	FREE(2) SURFACE FT-LT
100% FULL	134879.	9.55	95.19	-0.02	MAXIMUM
					3338.7

1. What is the purpose of the experiment?
 The purpose of the experiment is to determine the effect of temperature on the rate of reaction between hydrogen peroxide and potassium iodide.

2. What is the hypothesis?
 The hypothesis is that as the temperature increases, the rate of reaction will also increase.

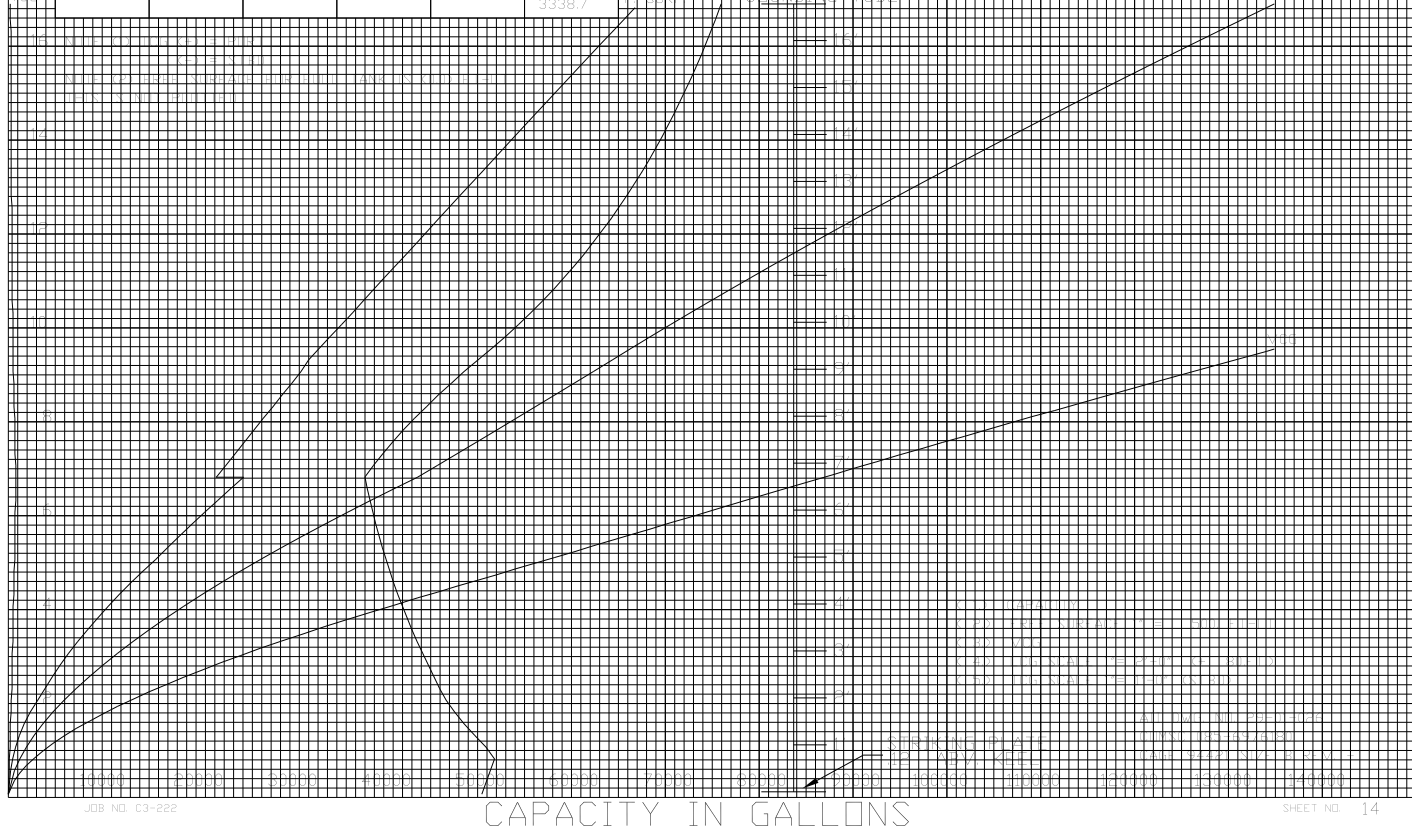
3. What are the variables?
 The independent variable is temperature. The dependent variable is the rate of reaction. The controlled variables are the concentration of hydrogen peroxide and the concentration of potassium iodide.

4. What is the method?
 The method involves measuring the time taken for a fixed volume of hydrogen peroxide to react with a fixed volume of potassium iodide at different temperatures. The reaction is monitored by the appearance of a blue color.

5. What are the results?
 The results show that the rate of reaction increases with temperature. The time taken for the reaction to complete decreases as the temperature increases.

6. What is the conclusion?
 The conclusion is that the rate of reaction between hydrogen peroxide and potassium iodide increases with temperature.

HEIGHT ABOVE KEEL - FEET



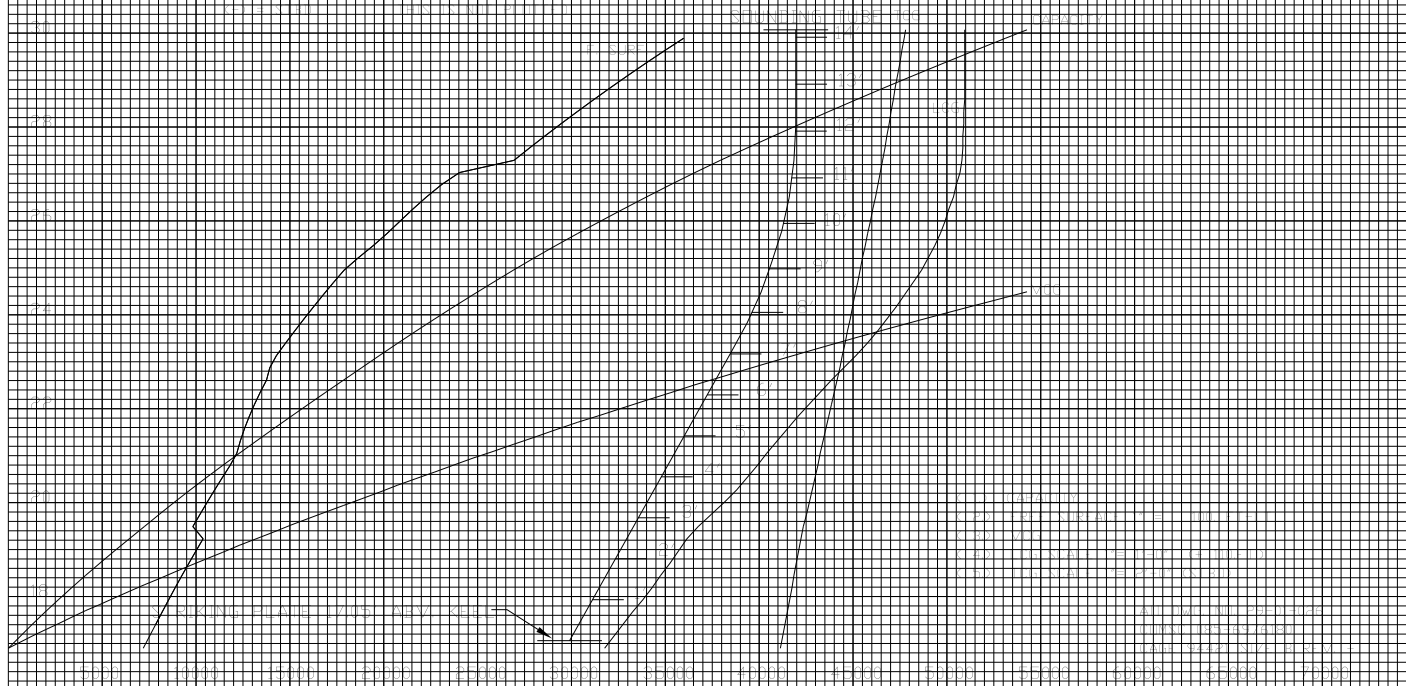
SO LIDING TIME TERMINATES @ 43% DEC/ 2:00% EDDT 350 FWD FR 20

TANK: NO 1 WING BALLAST TANK S 6-24-1

CONDITION OF TANK	CAPACITY IN GALLONS	VCG, FT. ABOVE KEEL	LCG, FT. FROM F.P.	TCG(1) FT. FROM CL	FREE(2) SURFACE FT-LT
100% FULL	54265	24.49	12019	-19.12	MAXIMUM
					719.5

1. BALLAST TANKS SHALL BE FURNISHED WITH THE FOLLOWING DATA:

HEIGHT ABOVE KEEL - FEET

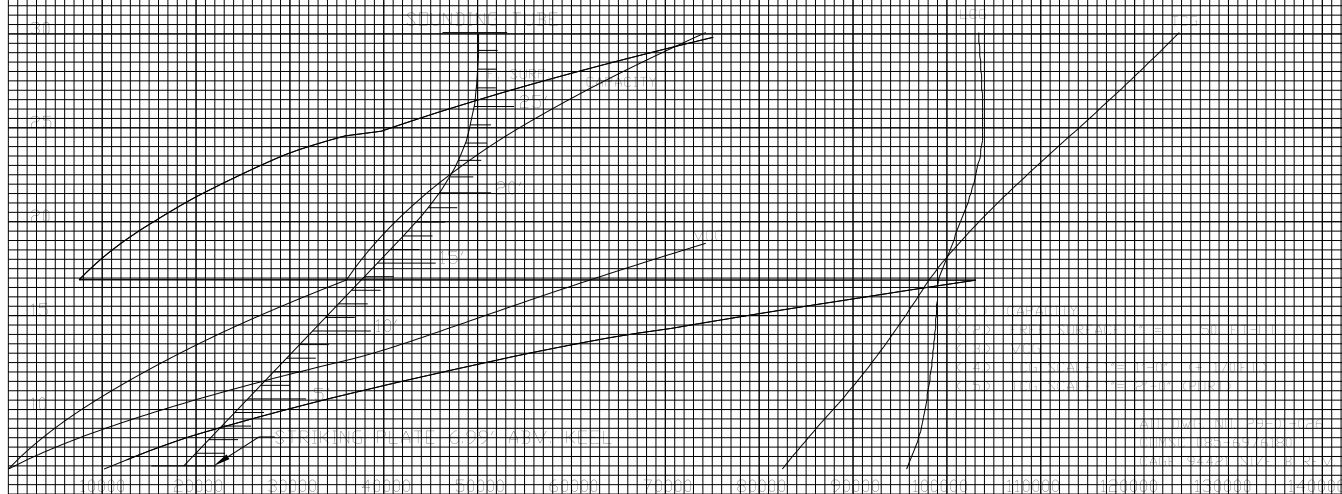


TANK: NO 2A WING BALLAST TANK P 7-33-2

HEIGHT ABOVE KEEL - FEET

CONDITION OF TANK	CAPACITY IN GALLONS	VCG. FT. ABOVE KEEL	LCG. FT. FROM F.P.	TCG(1) FT. FROM CL	FREE(2) SURFACE FT-LT
100% FULL	74305.	18.85	180.34	24.95	MAXIMUM
					515.4

STANDARD PLATE 3021 MON. KEEL



HEIGHT ABOVE KEEL - FEET

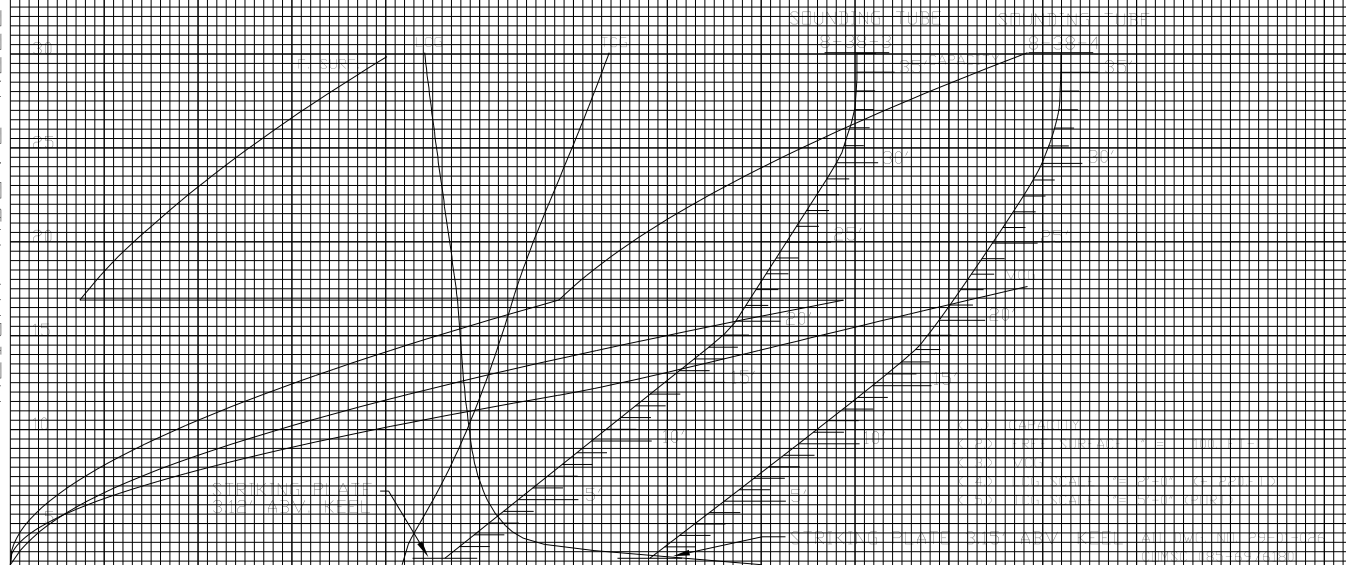
FOUNDING TUBE TERMINATES @ 10' DECK 35.00% STRIP 100% AFTER 37



TANK: NO 2B WING BALLAST TANK P OR S 8-38-4/3

CONDITION OF TANK	CAPACITY IN GALLONS	VCG, FT. ABOVE KEEL	LCG, FT. FROM F.P.	TCG.(1) FT. FROM CL.	FREE(2) SURFACE FT-LT
100% FULL	108367.	17.62	228.83	31.90	MAXIMUM
					887.6

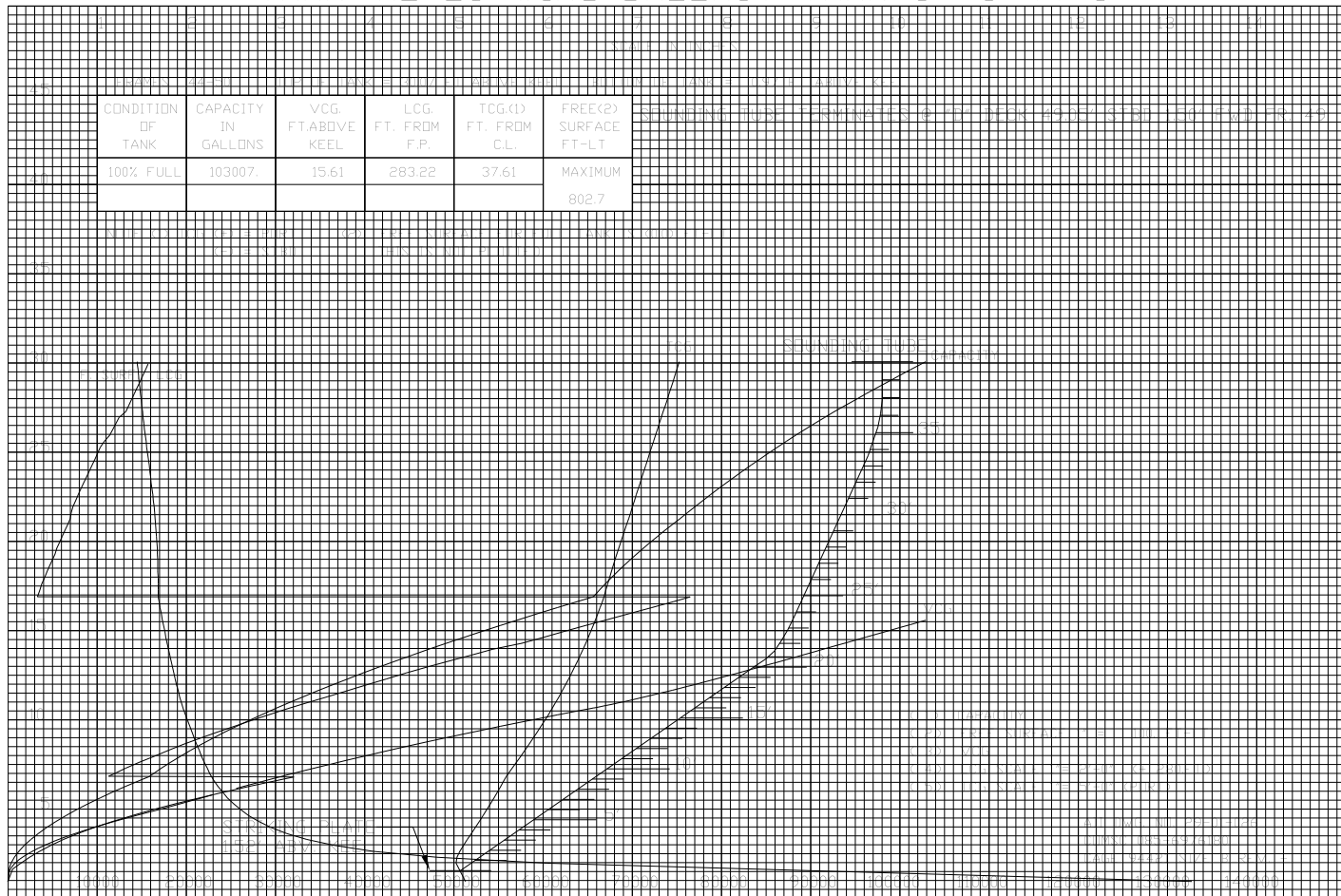
HEIGHT ABOVE KEEL - FEET



TANK: NO 2C WING BALLAST TANK S 8-44-3

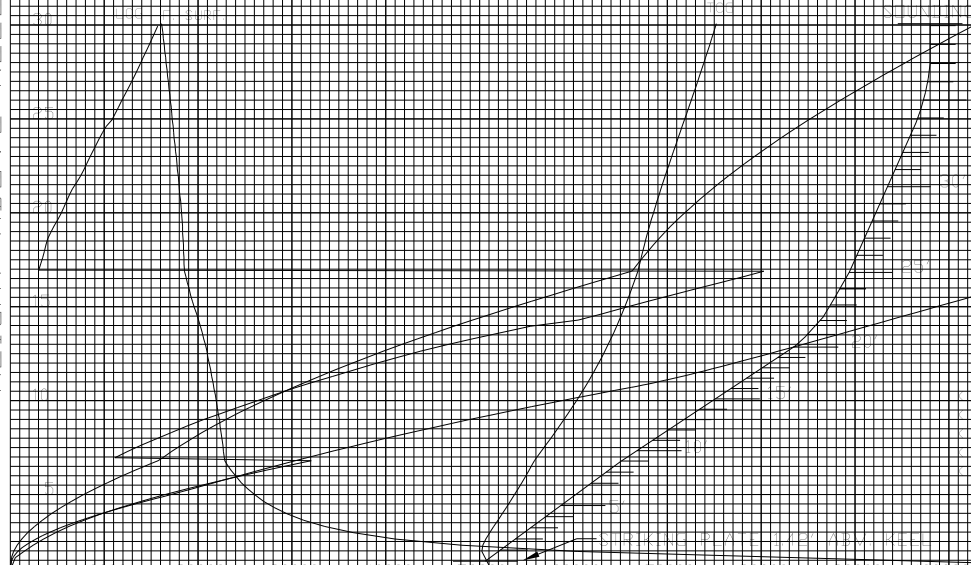
CONDITION OF TANK	CAPACITY IN GALLONS	VCG. FT. ABOVE KEEL	LCG. FT. FROM F.P.	TCG.(1) FT. FROM CL.	FREE(2) SURFACE FT-LT
100% FULL	103007.	15.61	283.22	37.61	MAXIMUM
					802.7

HEIGHT ABOVE KEEL - FEET



CONDITION OF TANK	CAPACITY IN GALLONS	VCG. FT. ABOVE KEEL	LCG. FT. FROM F.P.	TCG(1) FT. FROM CL	FREE(2) SURFACE FT-LT
100% FULL	102877	15.58	282.90	1-37.63	MAXIMUM
					764.8

HEIGHT ABOVE KEEL - FEET

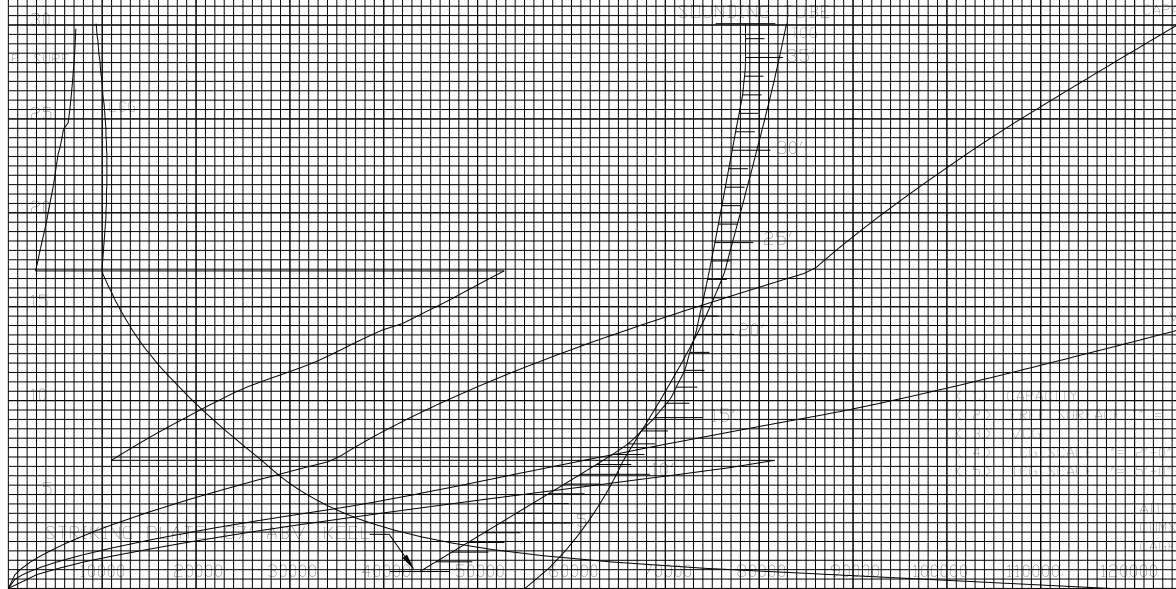


TANK: NO 3A WING BALLAST TANK P 8-50-4

HEIGHT ABOVE KEEL - FEET

CONDITION OF TANK	CAPACITY IN GALLONS	VCG. FT. ABOVE KEEL	LCG. FT. FROM F.P.	TCG.(1) FT. FROM CL	FREE(2) SURFACE FT-LT
100% FULL	124786.	13.78	341.87	41.46	MAXIMUM
					816.0

NO. 1 NO. 2 NO. 3 NO. 4 NO. 5 NO. 6 NO. 7 NO. 8 NO. 9 NO. 10 NO. 11 NO. 12 NO. 13 NO. 14 NO. 15 NO. 16 NO. 17 NO. 18 NO. 19 NO. 20 NO. 21 NO. 22 NO. 23 NO. 24 NO. 25 NO. 26 NO. 27 NO. 28 NO. 29 NO. 30 NO. 31 NO. 32 NO. 33 NO. 34 NO. 35 NO. 36 NO. 37 NO. 38 NO. 39 NO. 40 NO. 41 NO. 42 NO. 43 NO. 44 NO. 45 NO. 46 NO. 47 NO. 48 NO. 49 NO. 50 NO. 51 NO. 52 NO. 53 NO. 54 NO. 55 NO. 56 NO. 57 NO. 58 NO. 59 NO. 60 NO. 61 NO. 62 NO. 63 NO. 64 NO. 65 NO. 66 NO. 67 NO. 68 NO. 69 NO. 70 NO. 71 NO. 72 NO. 73 NO. 74 NO. 75 NO. 76 NO. 77 NO. 78 NO. 79 NO. 80 NO. 81 NO. 82 NO. 83 NO. 84 NO. 85 NO. 86 NO. 87 NO. 88 NO. 89 NO. 90 NO. 91 NO. 92 NO. 93 NO. 94 NO. 95 NO. 96 NO. 97 NO. 98 NO. 99 NO. 100

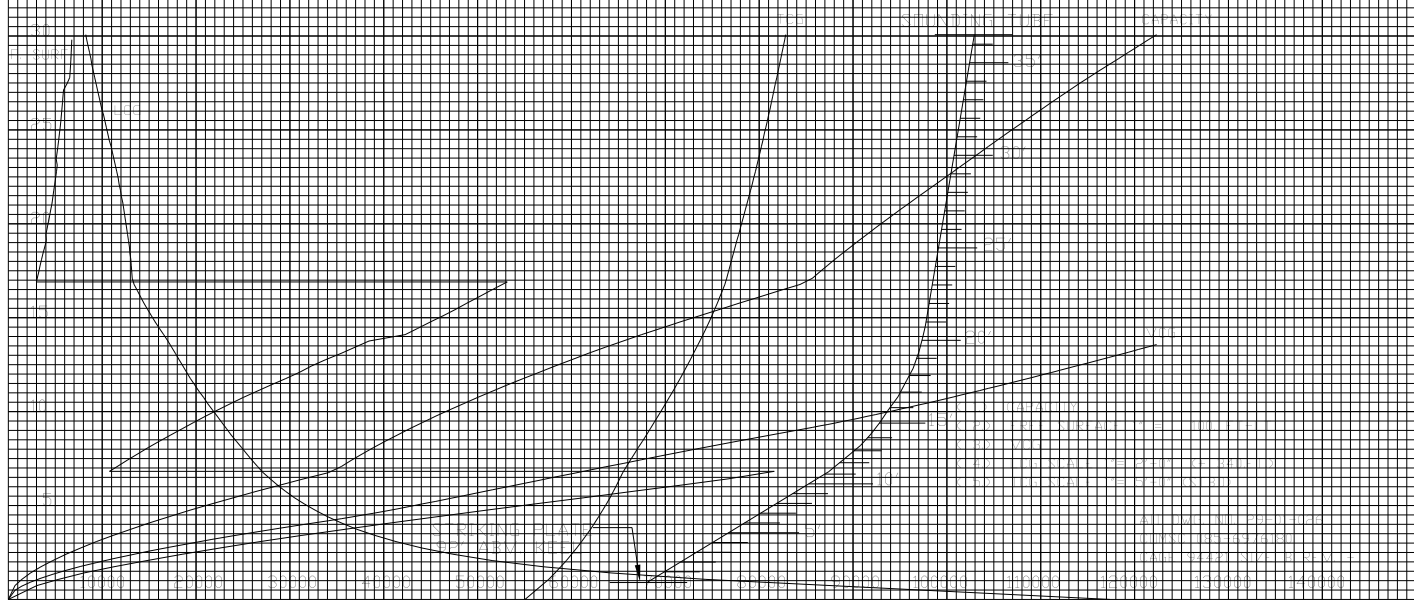


TANK: NO 3A WING BALLAST TANK S 8-50-3

CONDITION OF TANK	CAPACITY IN GALLONS	VCG. FT.ABOVE KEEL	LCG. FT. FROM F.P.	TCG(1) FT. FROM CL	FREE(2) SURFACE FT-LT
100% FULL	122339	13.57	341.65	-41.41	MAXIMUM
					816.0

STANDARD GRAVITY 1.025 SPECIFIC GRAVITY OF LIQUID 1.025

HEIGHT ABOVE KEEL - FEET

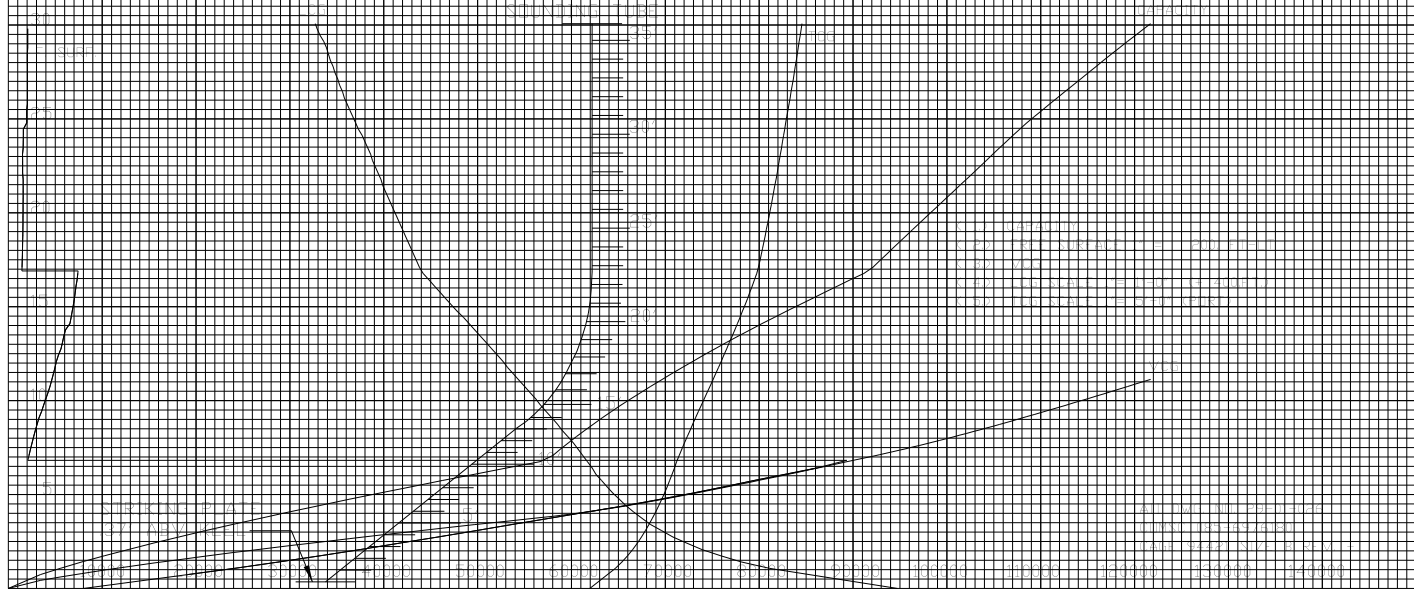


TANK: NO 3B WING BALLAST TANK P 8-57-2

CONDITION OF TANK	CAPACITY IN GALLONS	VCG. FT. ABOVE KEEL	LCG. FT. FROM F.P.	TCG(1) FT. FROM CL.	FREE(2) SURFACE FT-LT
100% FULL	121702	11.13	403.27	42.28	MAXIMUM
					1786.4

LOADING FLAT COORDINATES (1) OF 8004 52.0 500 20.0 10.0 2.0

HEIGHT ABOVE KEEL - FEET

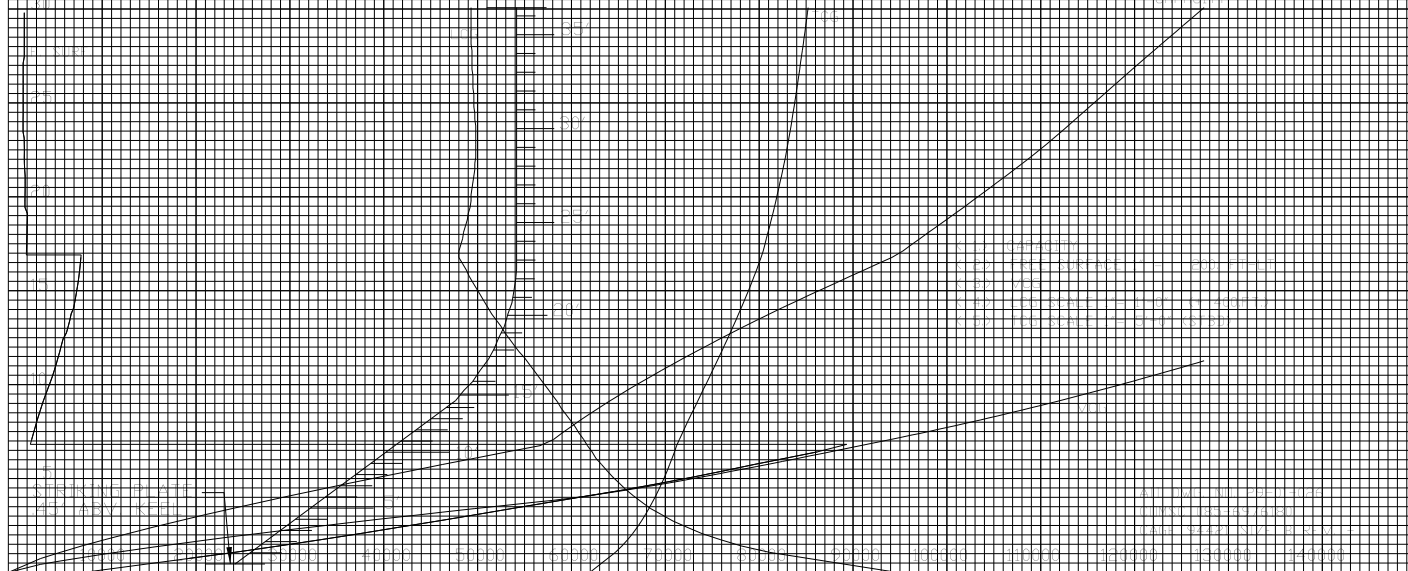


TANK: NO 3B WING BALLAST TANK S 8-57-1

CONDITION OF TANK	CAPACITY IN GALLONS	VCG. FT. ABOVE KEEL	LCG. FT. FROM F.P.	TCG(1) FT. FROM C.L.	FREE(2) SURFACE FT-LT
100% FULL	127398.	11.27	404.93	-42.61	MAXIMUM
					1786.4

SHINDING NO. 3B WING BALLAST TANK S 8-57-1

HEIGHT ABOVE KEEL - FEET



JOB NO. C3-222

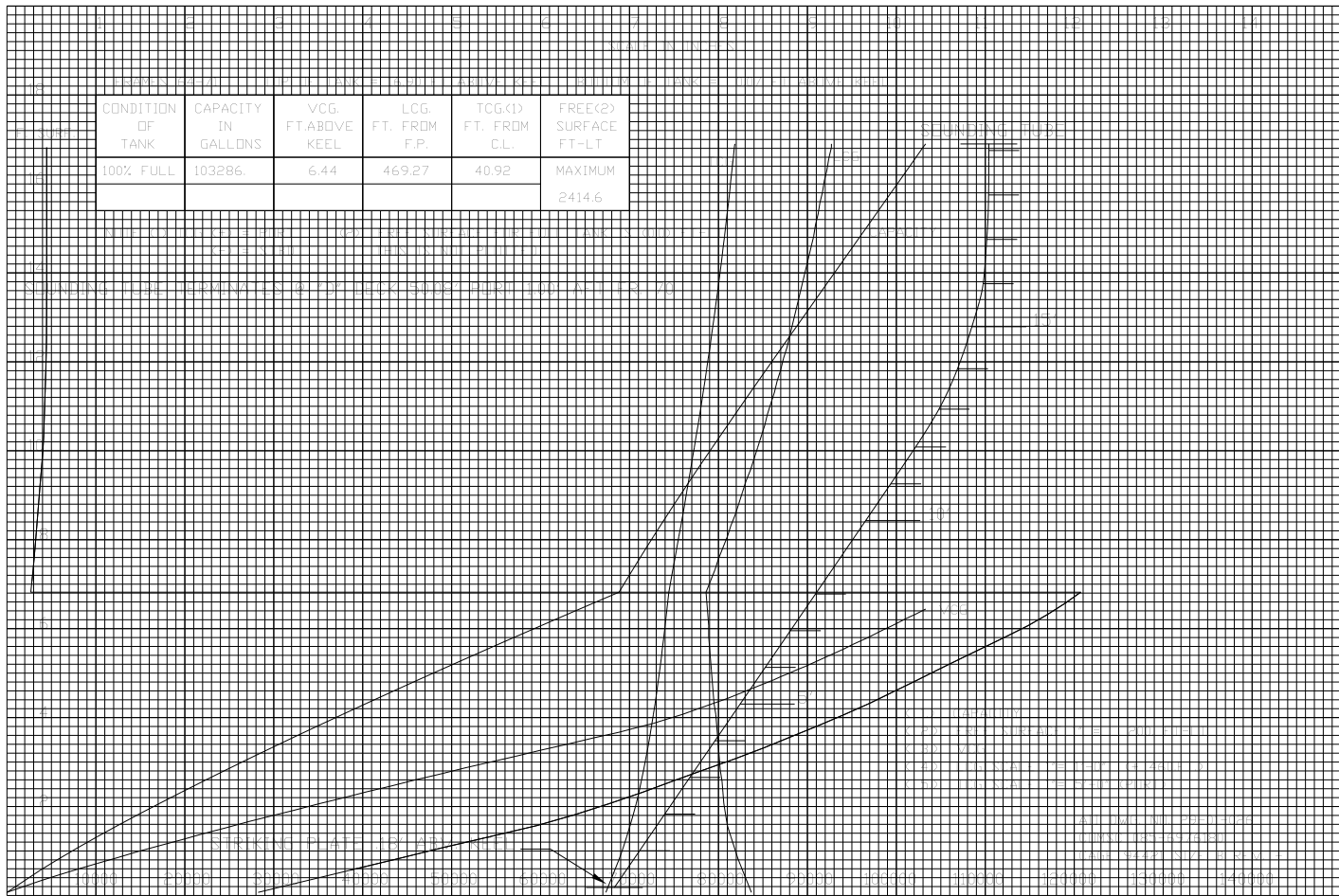
CAPACITY IN GALLONS

SHEET NO. 25

TANK: NO 3C WING BALLAST TANK P 8-64-4

HEIGHT ABOVE KEEL - FEET

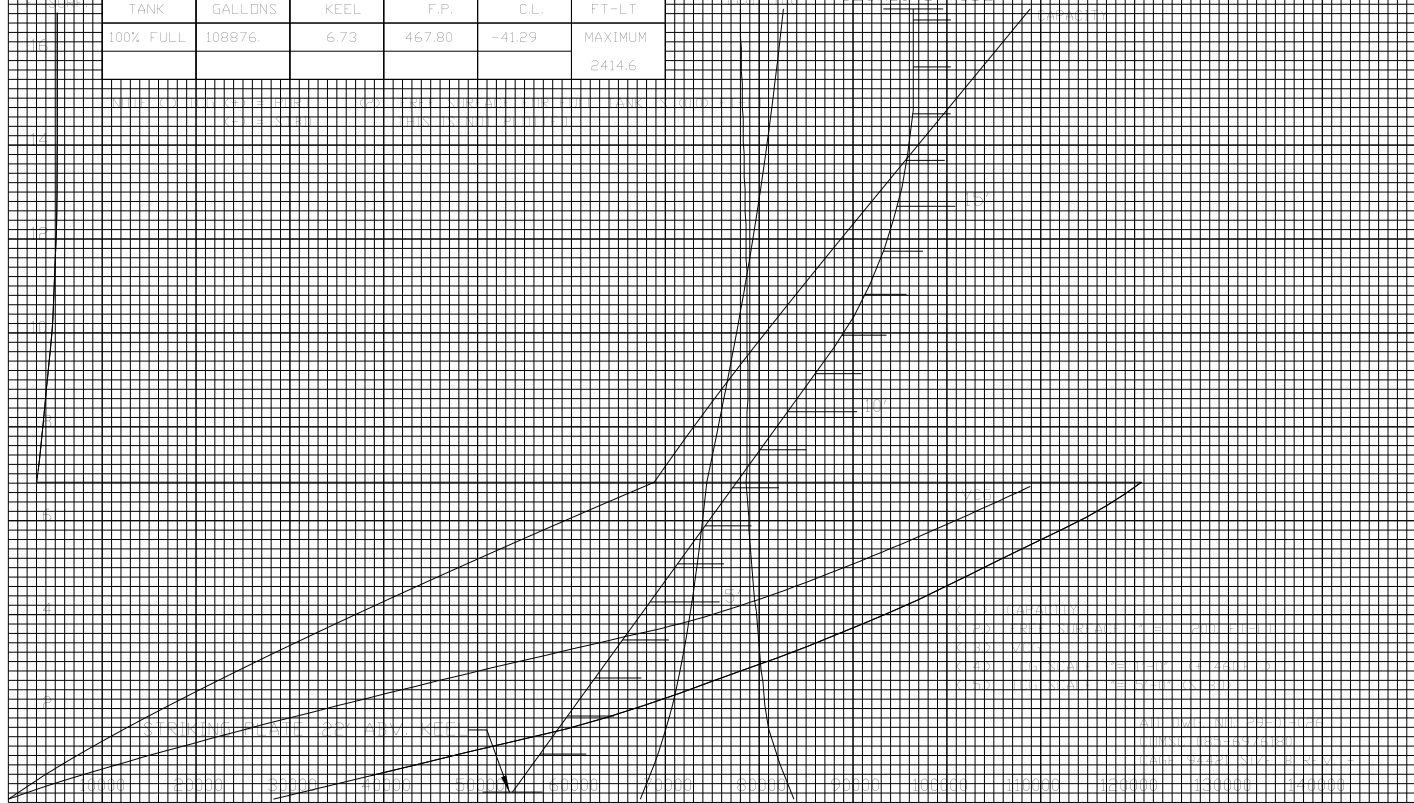
CONDITION OF TANK	CAPACITY IN GALLONS	VCG. FT. ABOVE KEEL	LCG. FT. FROM F.P.	TCG(1) FT. FROM CL	FREE(2) SURFACE FT-LT
100% FULL	103286.	6.44	469.27	40.92	MAXIMUM
					2414.6



TANK: NO 3C WING BALLAST TANK S 8-64-3

HEIGHT ABOVE KEEL - FEET

CONDITION OF TANK	CAPACITY IN GALLONS	VCG, FT. ABOVE KEEL	LCG, FT. FROM F.P.	TCG(1) FT. FROM CL	FREE(2) SURFACE FT-LT
100% FULL	108876	6.73	467.80	-41.29	MAXIMUM
					2414.6

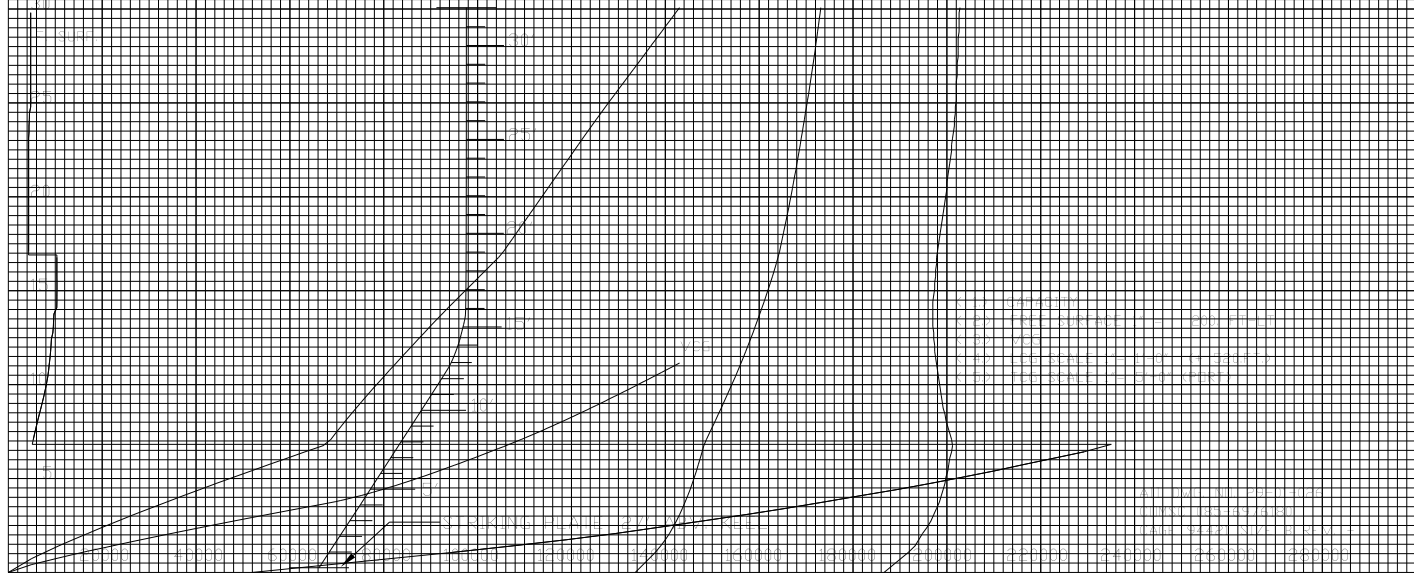


TANK: NO 4A WING BALLAST TANK P 8-71-4

CONDITION OF TANK	CAPACITY IN GALLONS	VCG. FT.ABOVE KEEL	LCG. FT. FROM F.P.	TCG(1) FT. FROM CL	FREE(2) SURFACE FT-LT
100% FULL	143013.	11.15	530.14	43.28	MAXIMUM
					2350.3

STANDARD TUBE TERMINATES 2' BEYOND 234' 59.48' FEET 244' 0.00' FEET 243' 73'

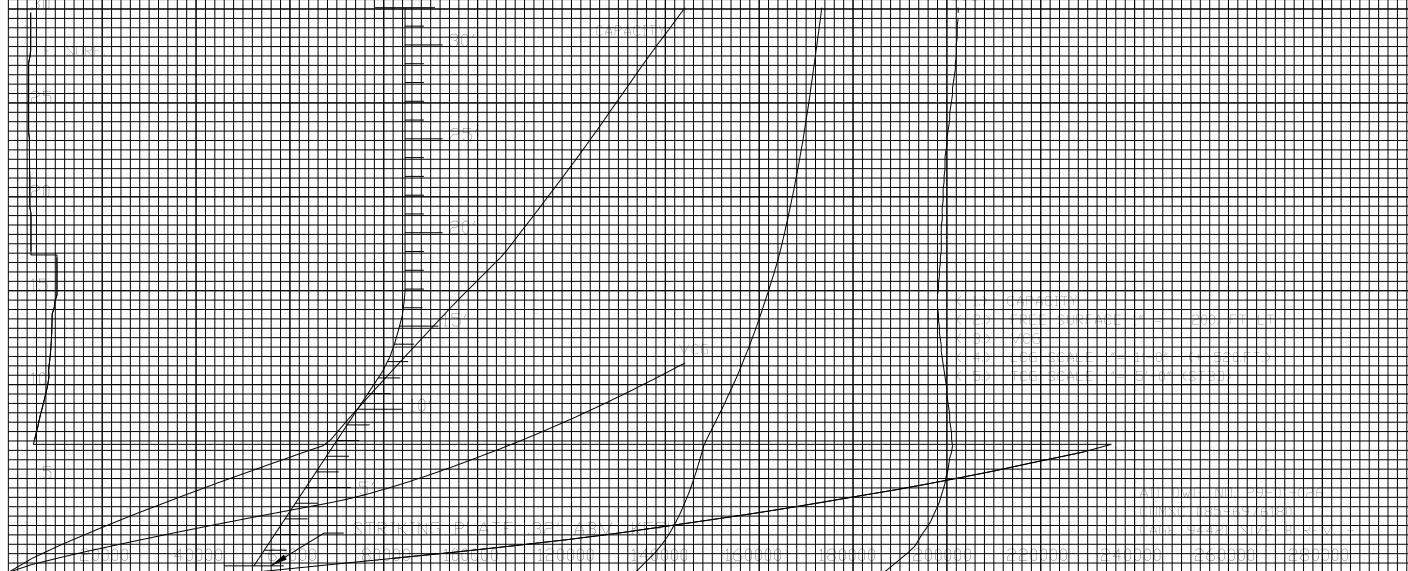
HEIGHT ABOVE KEEL - FEET



TANK: NO 4A WING BALLAST TANK S 8-71-3

CONDITION OF TANK	CAPACITY IN GALLONS	VCG. FT.ABOVE KEEL	LCG. FT. FROM F.P.	TCG(1) FT. FROM CL	FREE(2) SURFACE FT-LT
100% FULL	144204.	11.15	530.12	1-43.33	MAXIMUM
					2350.3

HEIGHT ABOVE KEEL - FEET

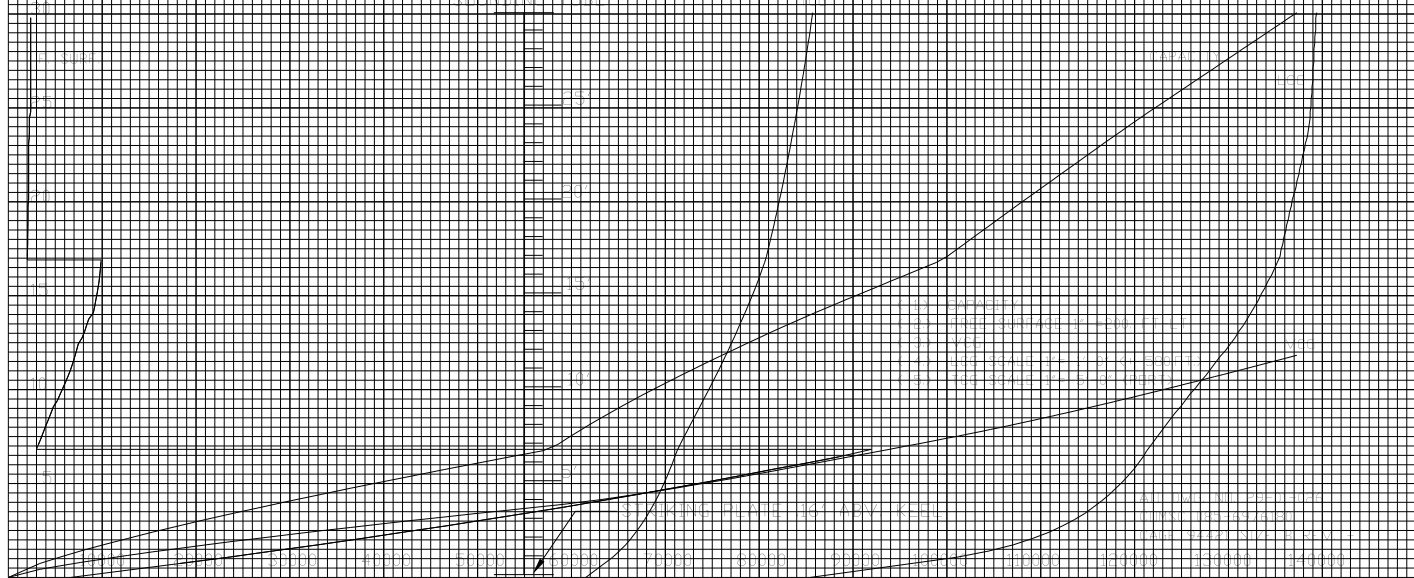


TANK: NO 4B WING BALLAST TANK P 8-78-4

CONDITION OF TANK	CAPACITY IN GALLONS	VCG, FT. ABOVE KEEL	LCG, FT. FROM F.P.	TCG(1) FT. FROM CL	FREE(2) SURFACE FT-LT
100% FULL	137277	11.83	593.94	42.85	MAXIMUM
					1839.0

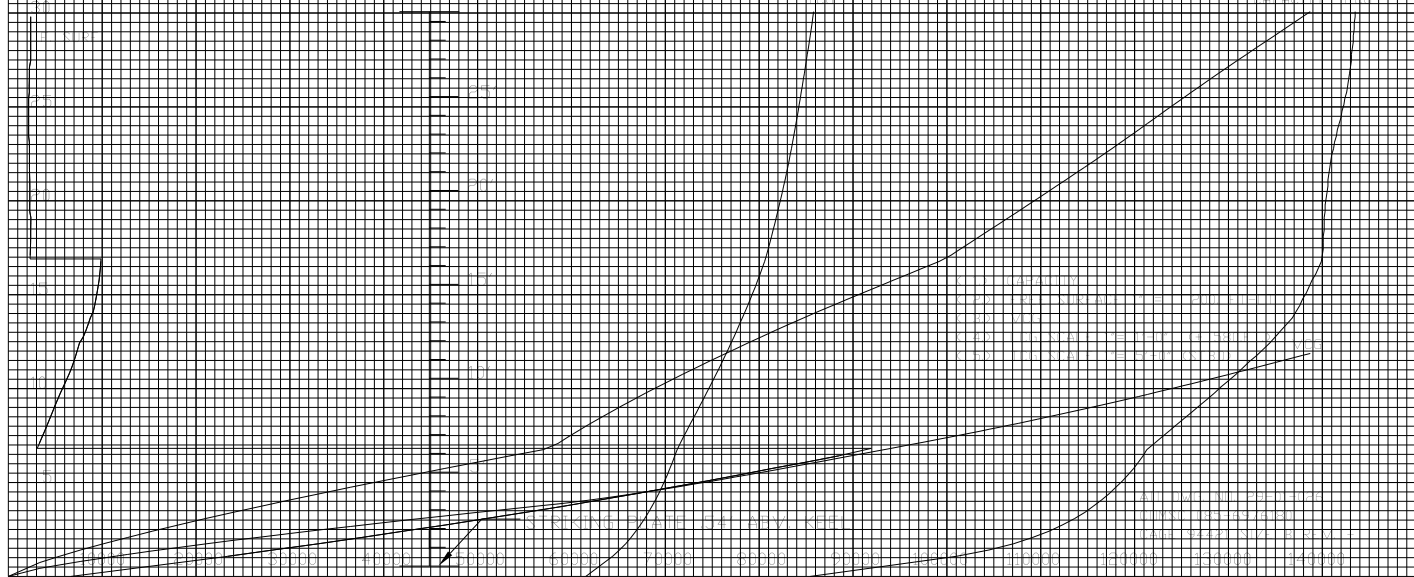
NO. 4B WING BALLAST TANK P 8-78-4

HEIGHT ABOVE KEEL - FEET



HEIGHT ABOVE KEEL - FEET

SLANDING TUBE TERMINATES @ 1" DECK 26.00 STD @ 17' FWD FR G5



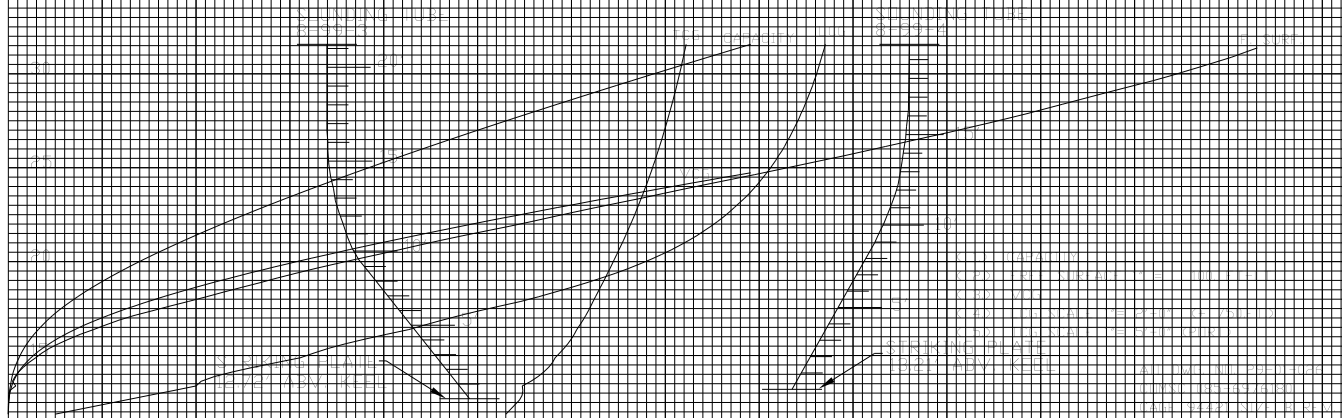
CAPACITY IN GALLONS

SHEET NO. 31

TANK: NO 6A WING BALLAST TANK P OR S 8-99-4/3

CONDITION OF TANK	CAPACITY IN GALLONS	VCG. FT. ABOVE KEEL	LCG. FT. FROM F.P.	TCG.(1) FT. FROM CL	FREE(2) SURFACE FT-LT
100% FULL	79092.	24.73	767.41	36.11	MAXIMUM
					1330.7

HEIGHT ABOVE KEEL - FEET

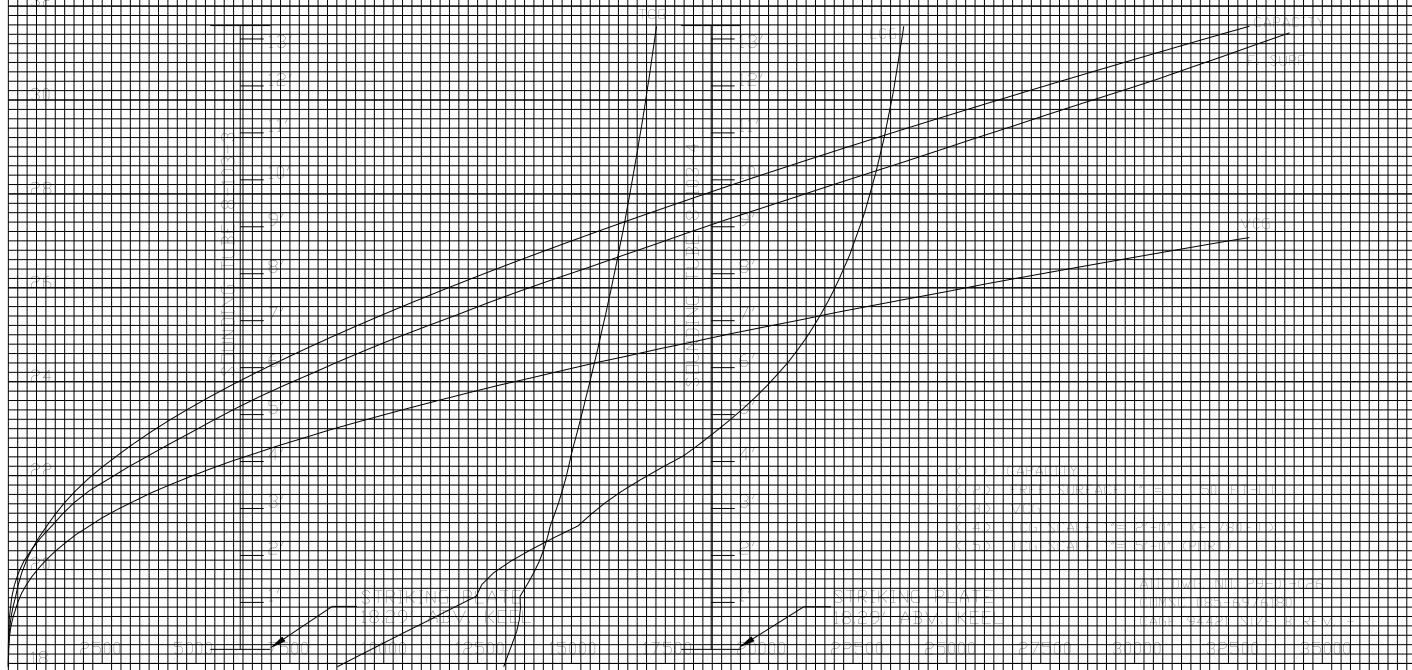


TANK: NO 6B WING BALLAST TANK P OR S 8-103-4/3

CONDITION OF TANK	CAPACITY IN GALLONS	VCG, FT. ABOVE KEEL	LCG, FT. FROM F.P.	TCG(1) FT. FROM CL	FREE(2) SURFACE FT-LT
100% FULL	33054	27.07	799.08	34.53	MAXIMUM
					682.5

NOTE: 1. BALLAST TANKS 6B AND 6C ARE DESIGNED AT 25.4 FT. STBD. SIDE OF CENTER LINE.
 2. FREE SURFACE CORRECTION TO BE USED FOR ALL BALLAST TANKS.

HEIGHT ABOVE KEEL - FEET

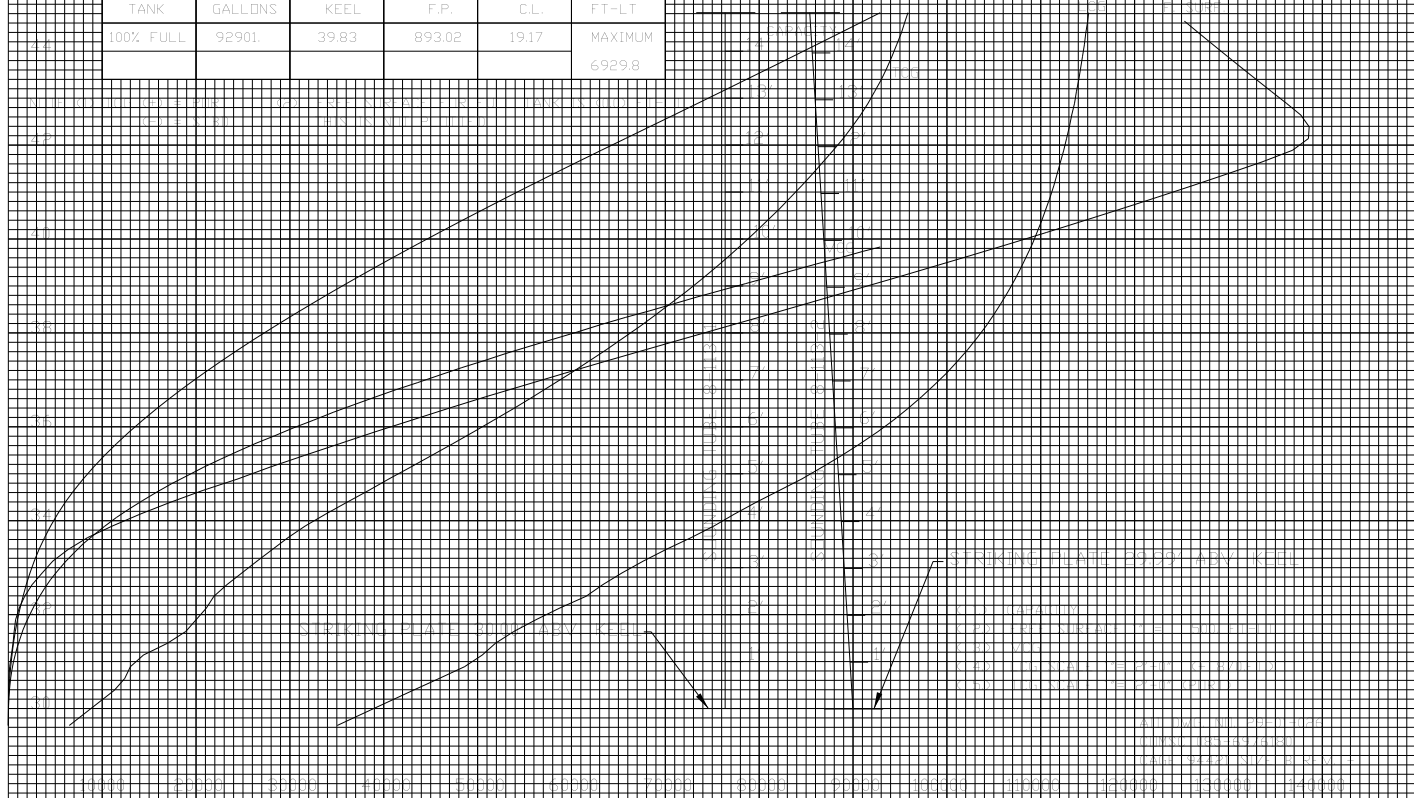


1. REPTILES AND AMPHIBIANS

TANK: AFT PEAK BALLAST TANK P OR S 8-113-2/1

HEIGHT ABOVE KEEL - FEET

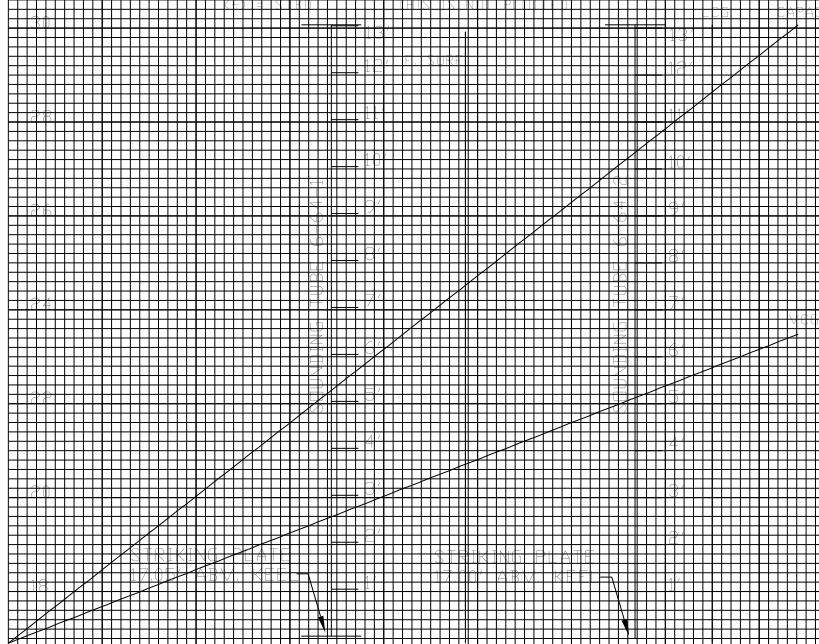
CONDITION OF TANK	CAPACITY IN GALLONS	VCG, FT. ABOVE KEEL	LCG, FT. FROM F.P.	TCG(1) FT. FROM CL	FREE(2) SURFACE FT-LT
100% FULL	92901	39.83	893.02	19.17	MAXIMUM
					69298



TANK: LIST CONTROL TANK P OR S 6-64-2/1

CONDITION OF TANK	CAPACITY IN GALLONS	VCG. FT.ABOVE KEEL	LCG. FT. FROM F.P.	TCG<1> FT. FROM CL.	FREE<2> SURFACE FT-LT
100% FULL	42076.	23.48	467.50	49.46	MAXIMUM
					48.7

HEIGHT ABOVE KEEL - FEET

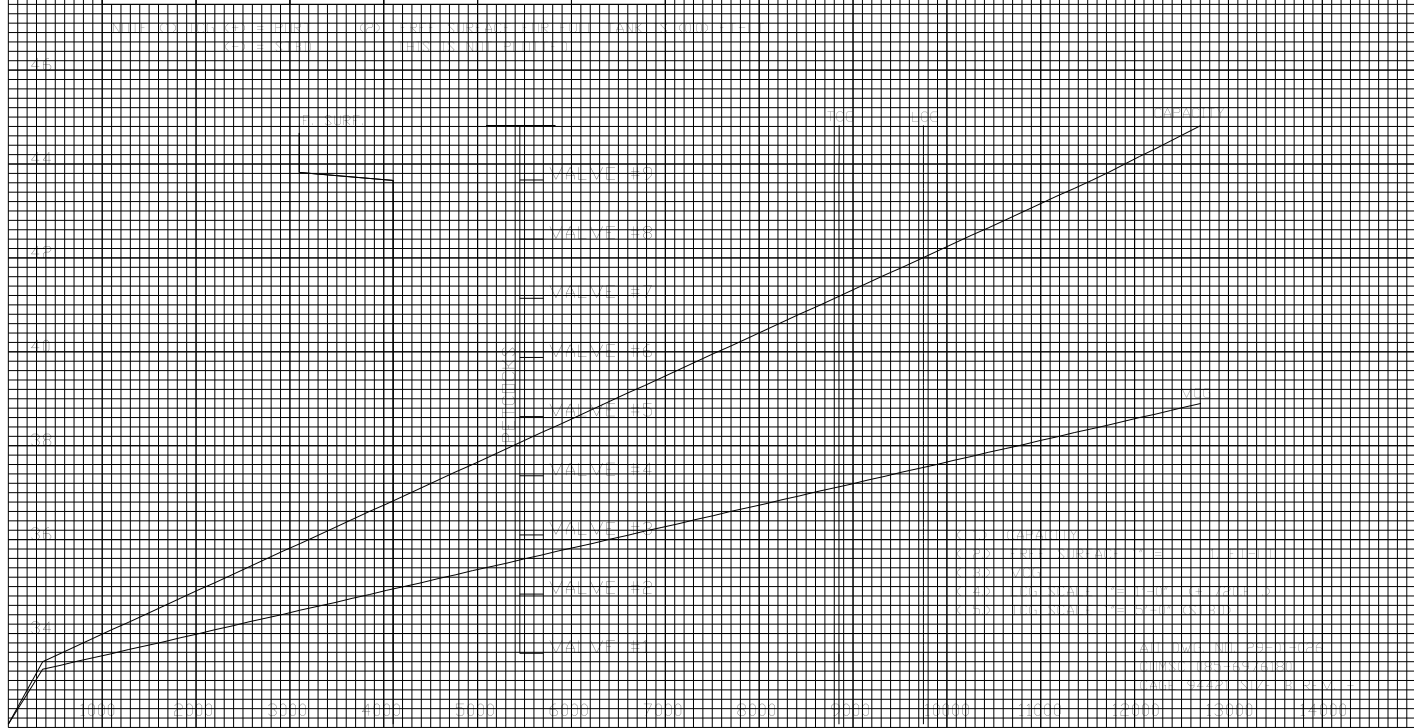


TANK: POTABLE WATER TANK NO 1 5-95-7

CONDITION OF TANK	CAPACITY IN GALLONS	VCG, FT.ABOVE KEEL	LCG, FT. FROM F.P.	TCG(1) FT. FROM CL	FREE(2) SURFACE FT-LT
100% FULL	12706.	38.90	729.75	-44.26	MAXIMUM
					4.1

REMARKS: 04 AUG 05 PM 15.00Z 03 SEP 03 PM 14.75Z AFT. TS. 94

HEIGHT ABOVE KEEL - FEET



HEIGHT ABOVE KEEL - FEET

PITCHPOCKS LOCATED ^W OF DECK 43.75' STRD. 1.75' AFT. FR. 94

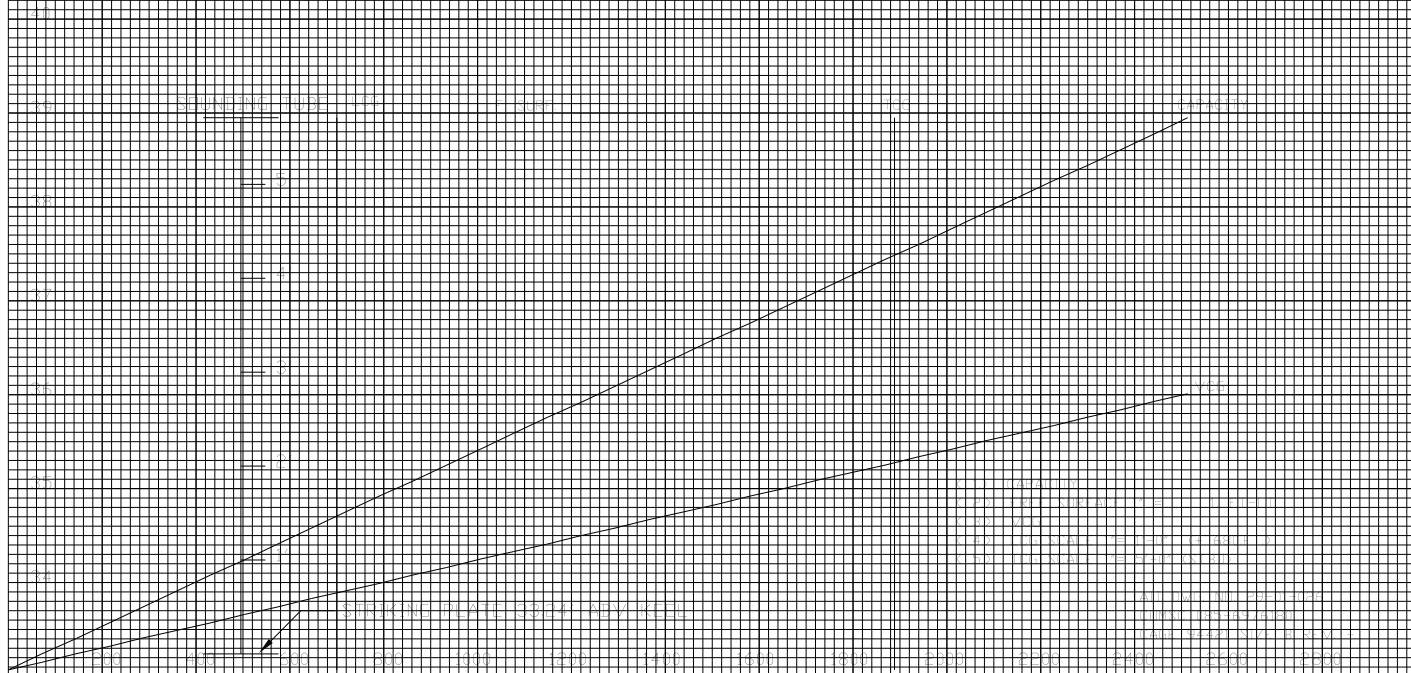
CAPACITY IN GALLONS

TANK: RESV FEED WATER TANK 5-91-1

CONDITION OF TANK	CAPACITY IN GALLONS	VCG. FT.ABOVE KEEL	LCG. FT. FROM F.P.	TCG.(1) FT. FROM CL	FREE(2) SURFACE FT-LT
100% FULL	2513.	36.01	683.50	-47.21	MAXIMUM
					5.5

STANDING TANK CAPACITIES & CG FROM KEEL TO SURFACE

HEIGHT ABOVE KEEL - FEET



JOB NO. C3-222

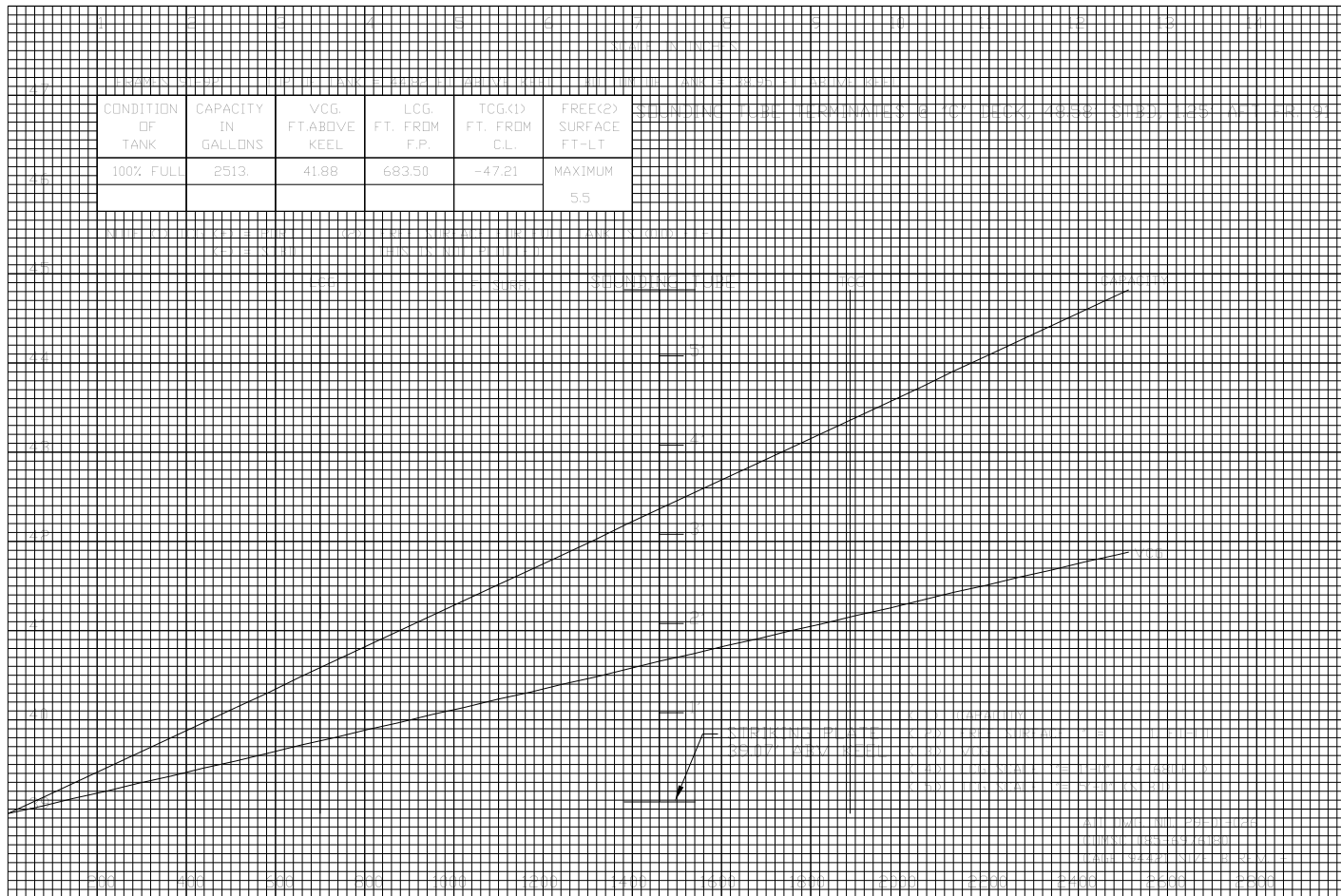
CAPACITY IN GALLONS

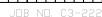
SHEET NO. 39

TANK: DIST WATER TANK 4.5-91-1

CONDITION OF TANK	CAPACITY IN GALLONS	VCG. FT.ABOVE KEEL	LCG. FT. FROM F.P.	TCG<1> FT. FROM CL	FREE<2> SURFACE FT-LT
100% FULL	2513.	41.88	683.50	-47.21	MAXIMUM
					5.5

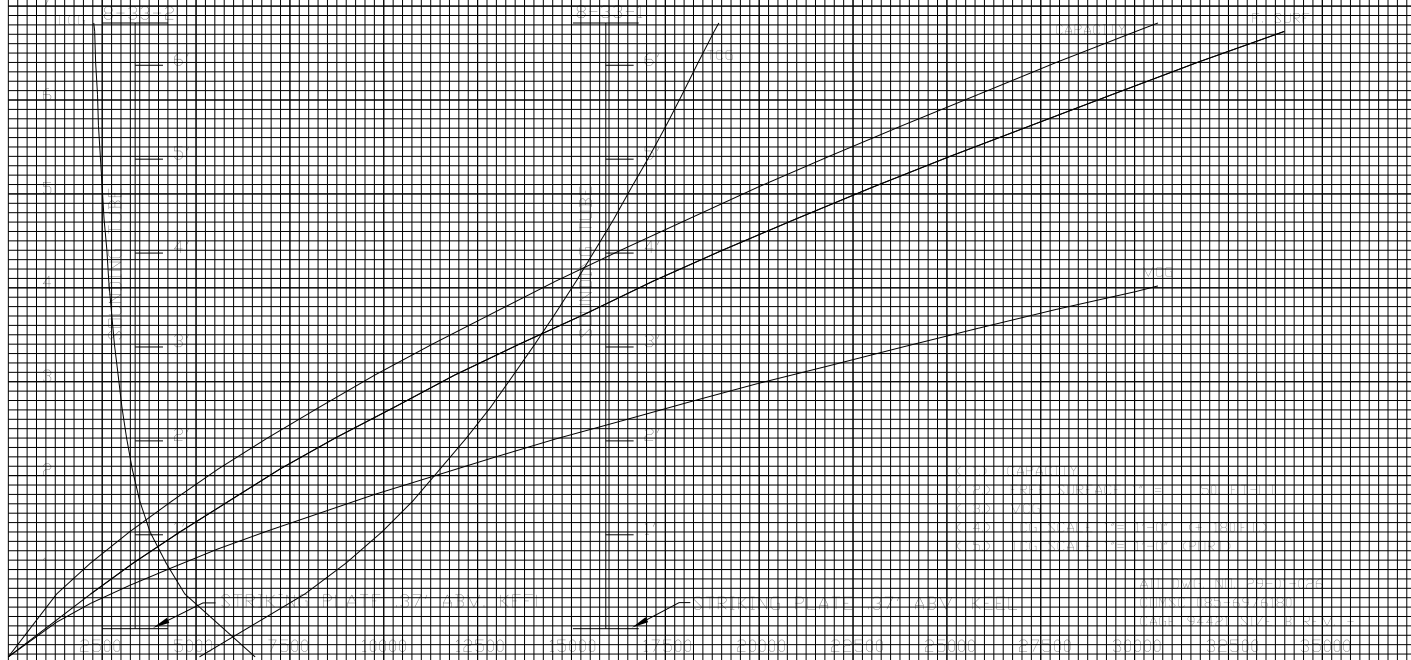
HEIGHT ABOVE KEEL - FEET



SOUNDING FURESOUNDING TUBE

CONDITION OF TANK	CAPACITY IN GALLONS	VCG. FT. ABOVE KEEL	LCG. FT. FROM F.P.	TCG.(1) FT. FROM CL.	FREE(2) SURFACE FT-LT
100% FULL	30620.	4.02	180.91	7.57	MAXIMUM 679.7
98% FULL	30007.	3.96	180.92	7.52	

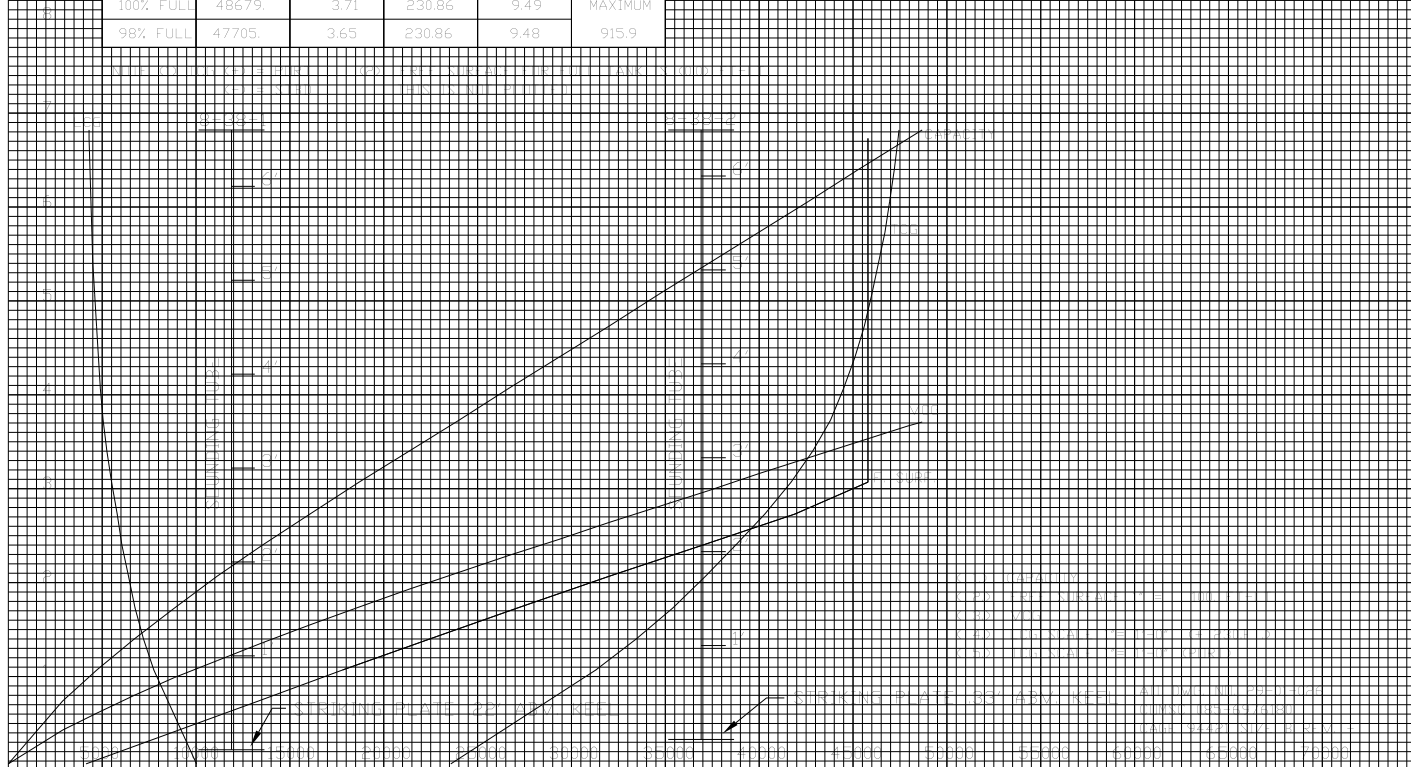
HEIGHT ABOVE KEEL - FEET



CONDITION OF TANK	CAPACITY IN GALLONS	VCG. FT. ABOVE KEEL	LCG. FT. FROM F.P.	TCG(1) FT. FROM CL	FREE(2) SURFACE FT-LT
100% FULL	48679.	3.71	230.86	9.49	MAXIMUM
98% FULL	47705.	3.65	230.86	9.48	

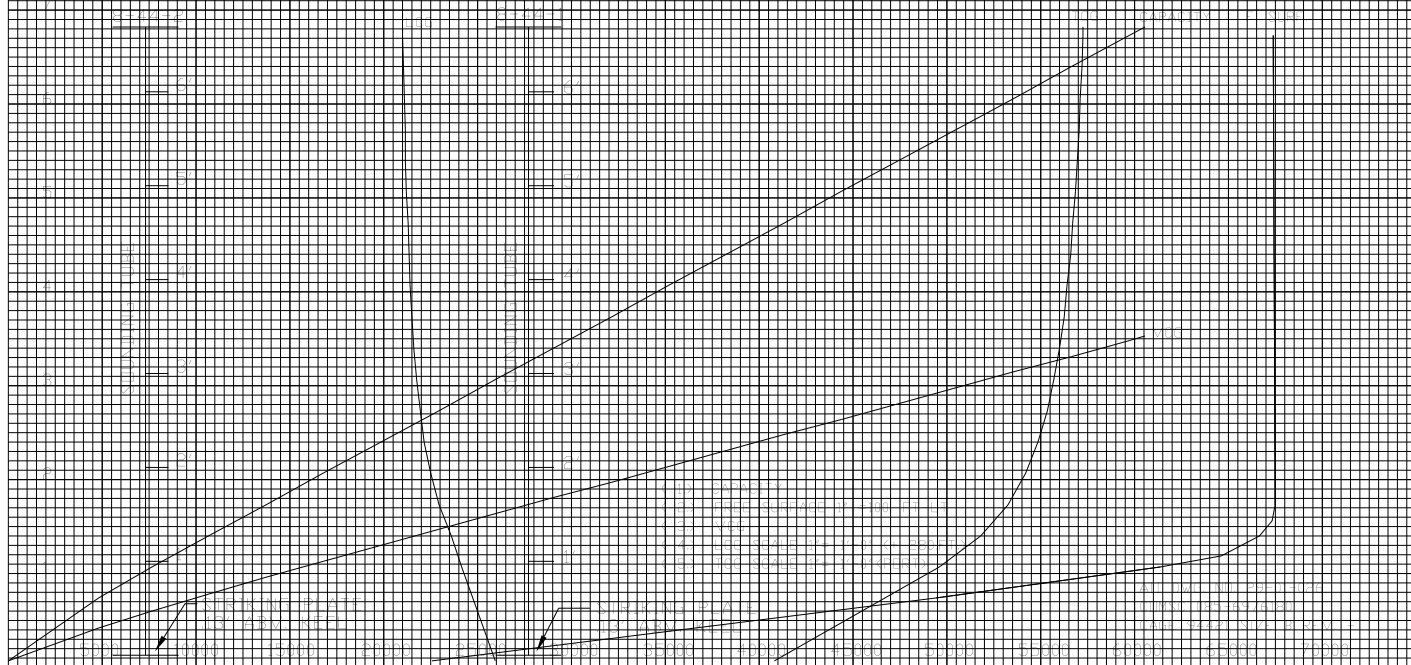
1. TCG(1) IS THE TANK CENTER OF GRAVITY FROM THE CENTER LINE OF THE SHIP.
2. FREE(2) SURFACE IS THE FREE SURFACE OF THE TANK WHEN THE TANK IS PARTIALLY FULL.

HEIGHT ABOVE KEEL - FEET



CONDITION OF TANK	CAPACITY IN GALLONS	VCG. FT.ABOVE KEEL	LCG. FT. FROM F.P.	TCG(1) FT. FROM CL	FREE(2) SURFACE FT-LT
100% FULL	60550.	3.53	284.20	11.45	MAXIMUM 1349.7
98% FULL	59337.	3.46	284.21	11.45	

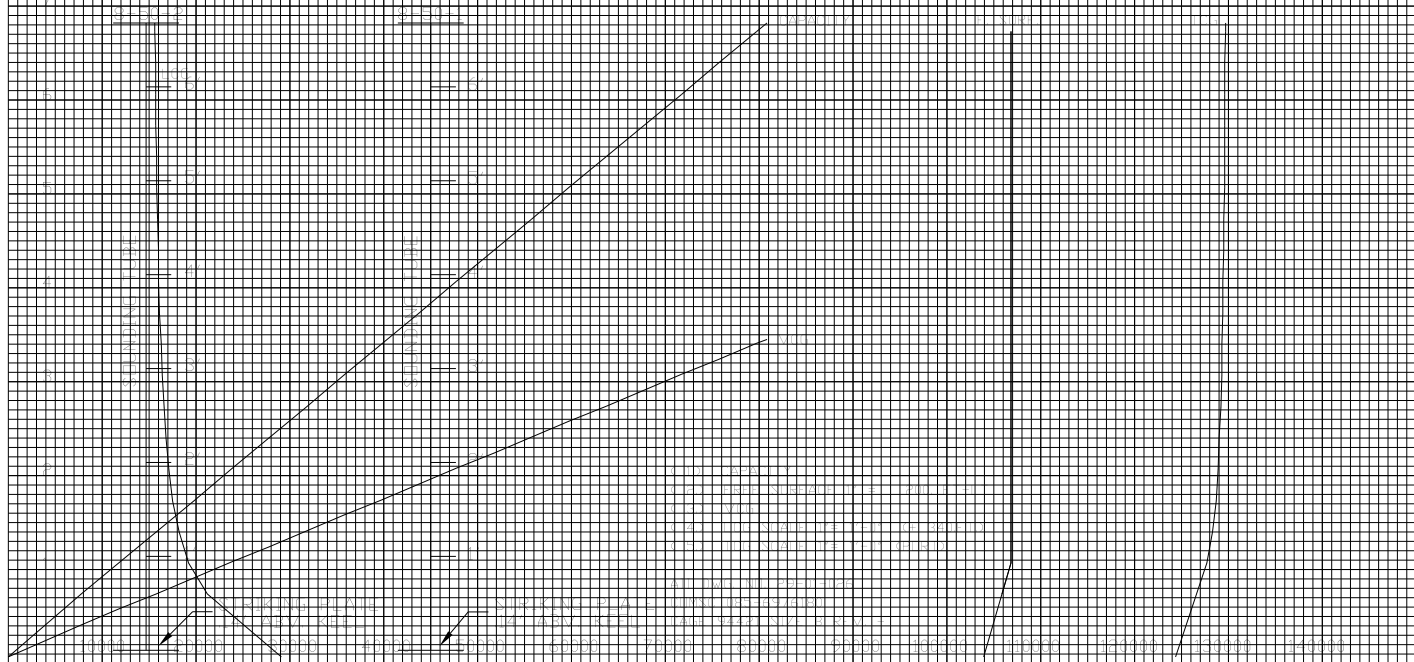
HEIGHT ABOVE KEEL - FEET



CONDITION OF TANK	CAPACITY IN GALLONS	VCG. FT. ABOVE KEEL	LCG. FT. FROM F.P.	TCG(1) FT. FROM CL	FREE(2) SURFACE FT-LT
100% FULL	80829.	3.45	341.56	12.97	MAXIMUM
98% FULL	79212.	3.39	341.56	12.97	2136.6

1. GROSS TONNAGE
2. TONNAGE
3. TONNAGE
4. TONNAGE
5. TONNAGE
6. TONNAGE
7. TONNAGE
8. TONNAGE
9. TONNAGE
10. TONNAGE
11. TONNAGE
12. TONNAGE
13. TONNAGE
14. TONNAGE
15. TONNAGE
16. TONNAGE
17. TONNAGE
18. TONNAGE
19. TONNAGE
20. TONNAGE
21. TONNAGE
22. TONNAGE
23. TONNAGE
24. TONNAGE
25. TONNAGE
26. TONNAGE
27. TONNAGE
28. TONNAGE
29. TONNAGE
30. TONNAGE
31. TONNAGE
32. TONNAGE
33. TONNAGE
34. TONNAGE
35. TONNAGE
36. TONNAGE
37. TONNAGE
38. TONNAGE
39. TONNAGE
40. TONNAGE
41. TONNAGE
42. TONNAGE
43. TONNAGE
44. TONNAGE
45. TONNAGE
46. TONNAGE
47. TONNAGE
48. TONNAGE
49. TONNAGE
50. TONNAGE
51. TONNAGE
52. TONNAGE
53. TONNAGE
54. TONNAGE
55. TONNAGE
56. TONNAGE
57. TONNAGE
58. TONNAGE
59. TONNAGE
60. TONNAGE
61. TONNAGE
62. TONNAGE
63. TONNAGE
64. TONNAGE
65. TONNAGE
66. TONNAGE
67. TONNAGE
68. TONNAGE
69. TONNAGE
70. TONNAGE
71. TONNAGE
72. TONNAGE
73. TONNAGE
74. TONNAGE
75. TONNAGE
76. TONNAGE
77. TONNAGE
78. TONNAGE
79. TONNAGE
80. TONNAGE
81. TONNAGE
82. TONNAGE
83. TONNAGE
84. TONNAGE
85. TONNAGE
86. TONNAGE
87. TONNAGE
88. TONNAGE
89. TONNAGE
90. TONNAGE
91. TONNAGE
92. TONNAGE
93. TONNAGE
94. TONNAGE
95. TONNAGE
96. TONNAGE
97. TONNAGE
98. TONNAGE
99. TONNAGE
100. TONNAGE

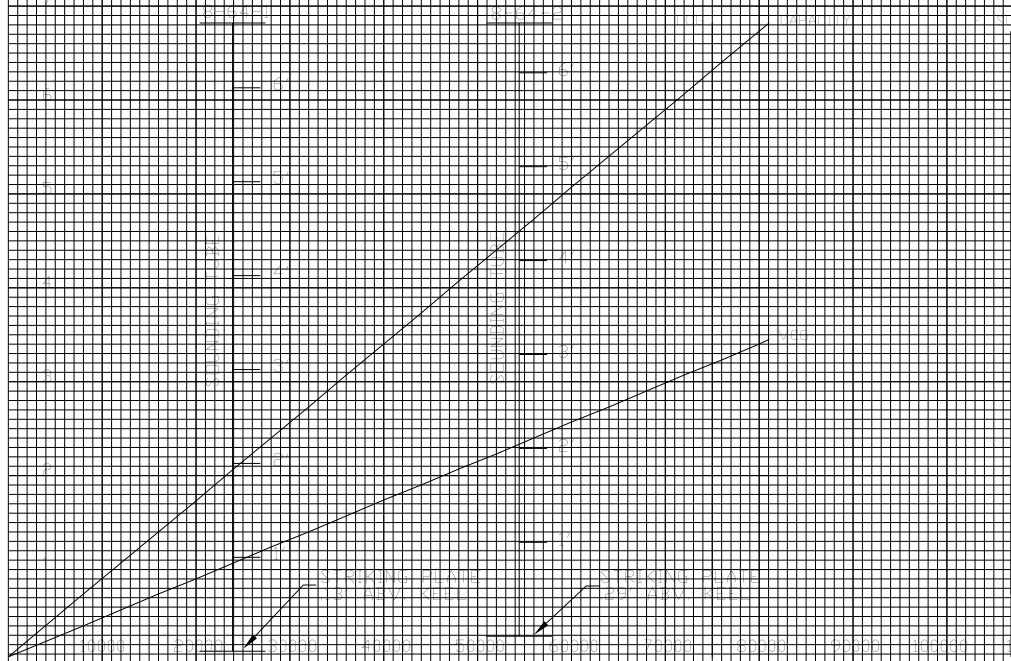
HEIGHT ABOVE KEEL - FEET



TANK: FUEL OIL TANK NO 3C P OR S 8-64-2/1

CONDITION OF TANK	CAPACITY IN GALLONS	VCG. FT. ABOVE KEEL	LCG. FT. FROM F.P.	TCG(1) FT. FROM CL	FREE(2) SURFACE FT-LT
100% FULL	81063.	3.45	467.50	13.00	MAXIMUM
98% FULL	79442.	3.38	467.50	13.00	2136.6

HEIGHT ABOVE KEEL - FEET



JOB NO. C3-222

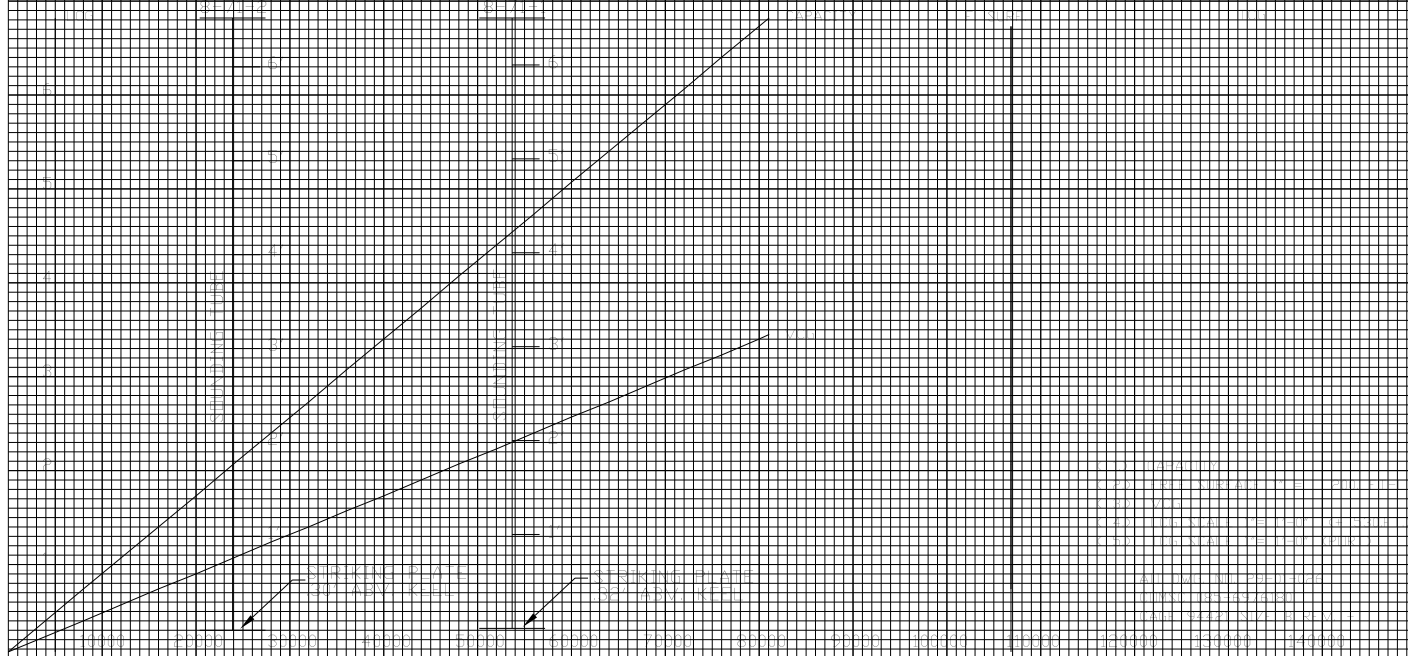
CAPACITY IN GALLONS

SHEET NO. 46

TANK: FUEL OIL TANK NO 4A P OR S 8-71-2/1

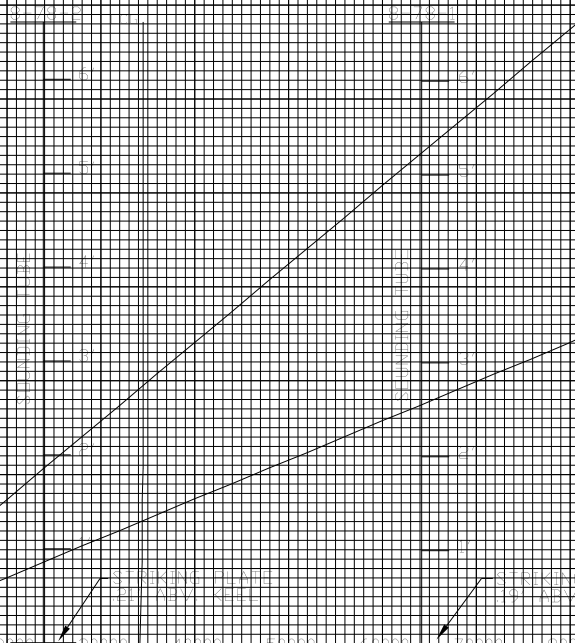
CONDITION OF TANK	CAPACITY IN GALLONS	VCG. FT. ABOVE KEEL	LCG. FT. FROM F.P.	TCG(1) FT. FROM CL	FREE(2) SURFACE FT-LT
100% FULL	81063.	3.45	530.50	13.00	MAXIMUM
98% FULL	79442.	3.38	530.50	13.00	2136.6

HEIGHT ABOVE KEEL - FEET



HEIGHT ABOVE KEEL - FEET

CONDITION OF TANK	CAPACITY IN GALLONS	VCG FT. ABOVE KEEL	LCG FT. FROM F.P.	TCG(1) FT. FROM C.L.	FREE(2) SURFACE FT-LT
100% FULL	80921	3.45	593.45	12.98	MAXIMUM
98% FULL	79303	3.38	593.45	12.98	2126.2



JOB NO. C3-222

CAPACITY IN GALLONS

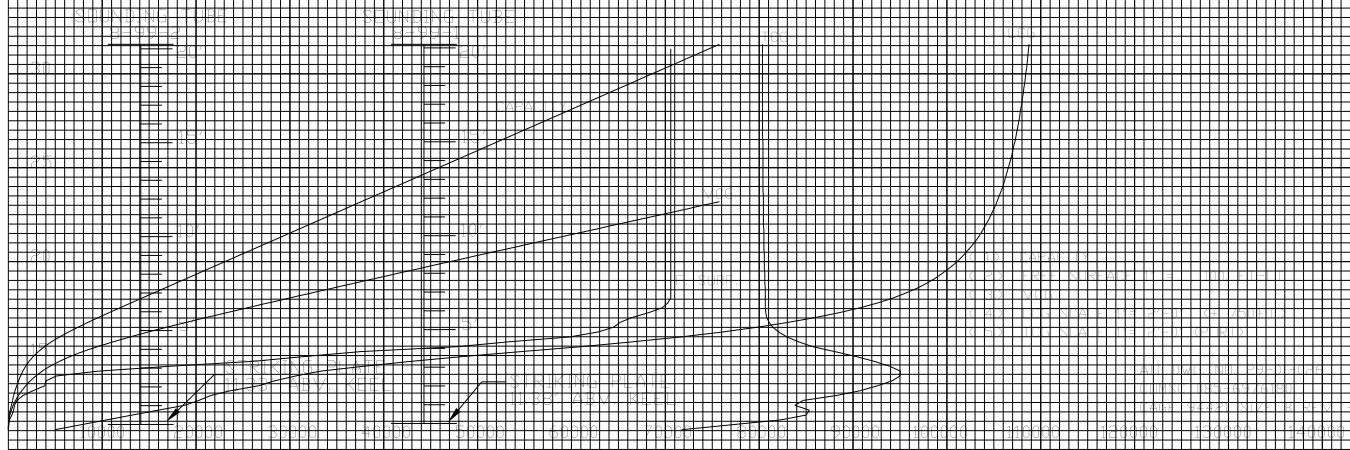
SHEET NO. 48

TANK: FUEL OIL TANK NO 6A P OR S 8-99-2/1

CONDITION OF TANK	CAPACITY IN GALLONS	VCG. FT. ABOVE KEEL	LCG. FT. FROM F.P.	TCG.(1) FT. FROM CL.	FREE(2) SURFACE FT-LT
100% FULL	75747.	23.19	771.75	16.07	MAXIMUM
98% FULL	74232.	23.02	771.74	16.07	705.8

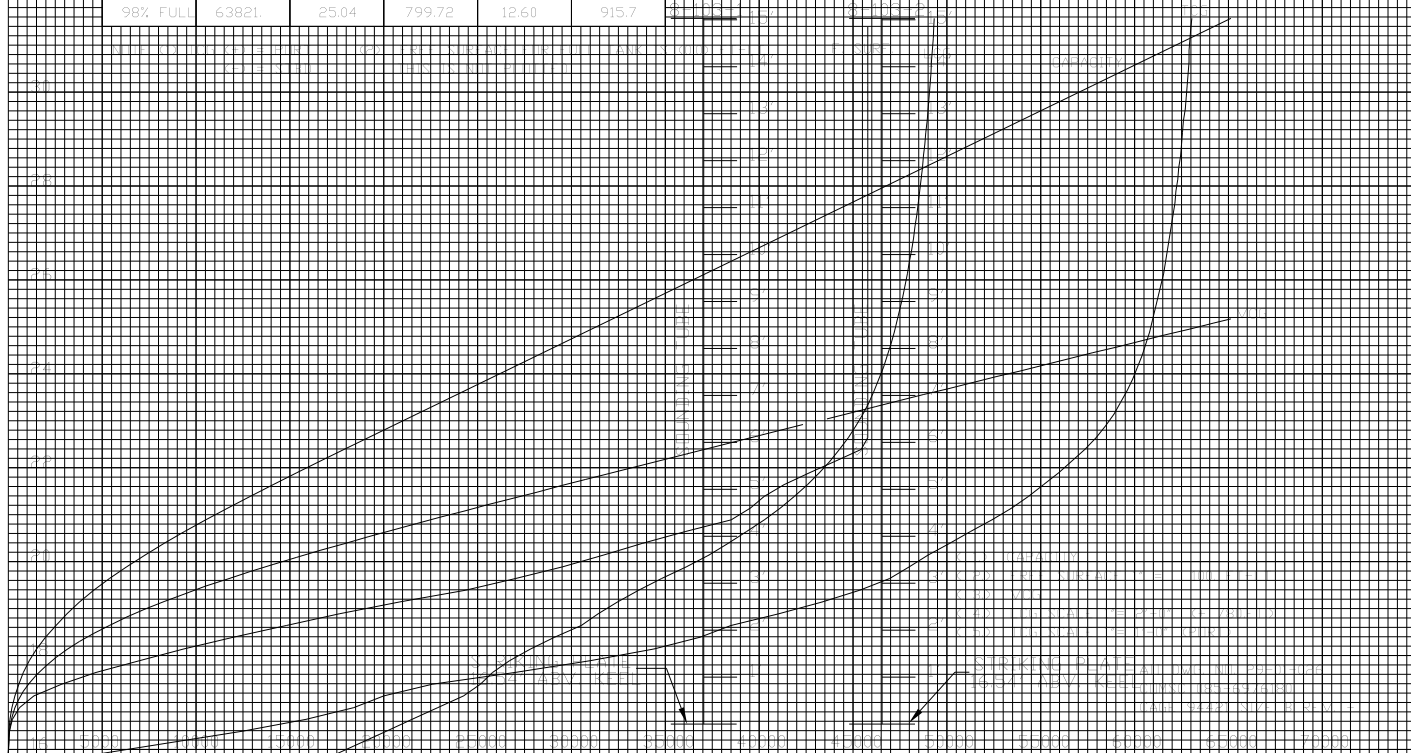
1. TCG (1) IS THE TANK CENTER OF GRAVITY FROM THE CENTER LINE OF THE SHIP.
 2. FREE (2) SURFACE IS THE FREE SURFACE OF THE LIQUID IN THE TANK.

HEIGHT ABOVE KEEL - FEET



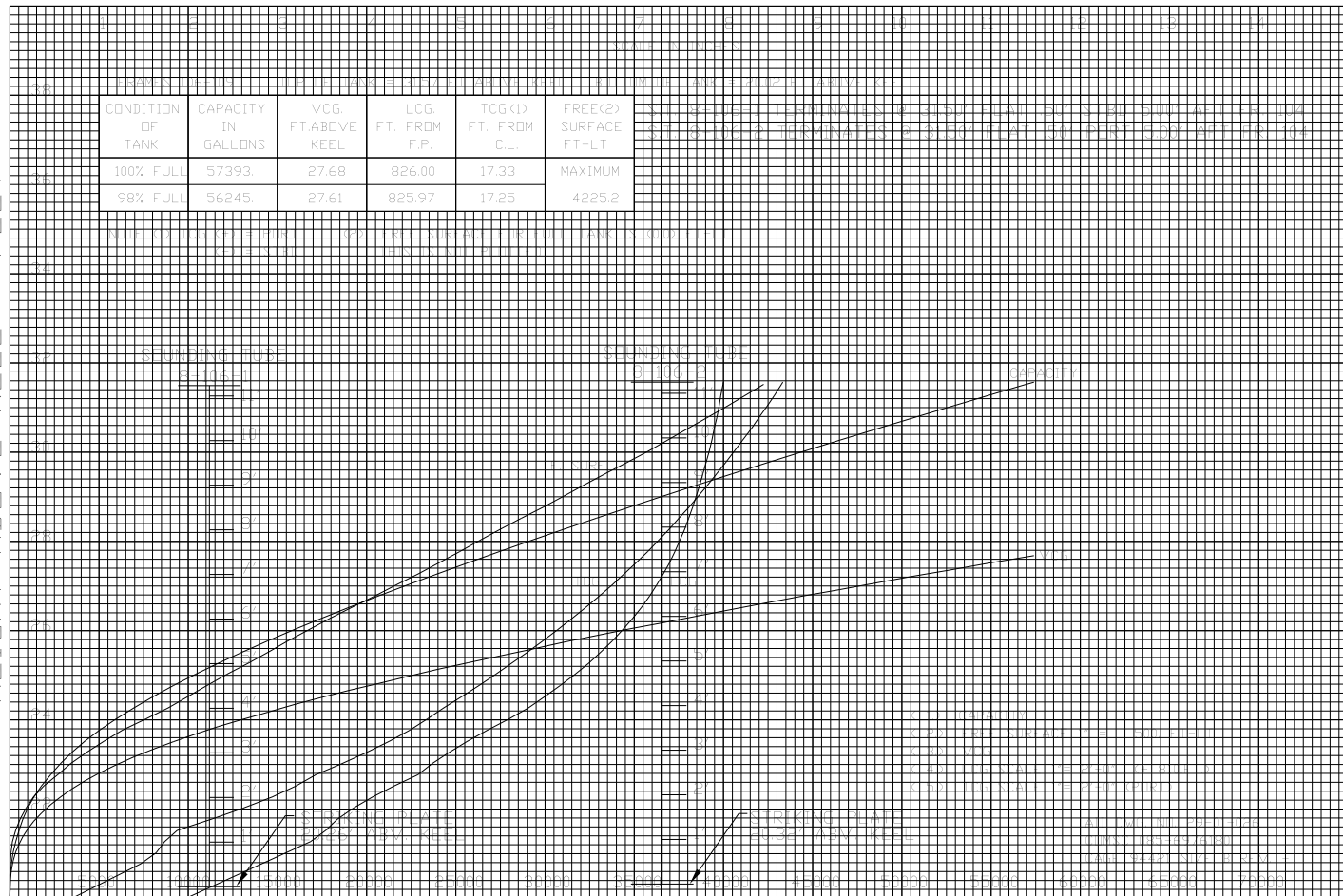
HEIGHT ABOVE KEEL - FEET

CONDITION OF TANK	CAPACITY IN GALLONS	VCG. FT. ABOVE KEEL	LCG. FT. FROM F.P.	TCG(1) FT. FROM CL.	FREE(2) SURFACE FT-LT
100% FULL	65123.	25.17	799.73	12.61	MAXIMUM
98% FULL	63821.	25.04	799.72	12.60	

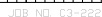


CONDITION OF TANK	CAPACITY IN GALLONS	VCG. FT. ABOVE KEEL	LCG. FT. FROM F.P.	TCG(1) FT. FROM CL	FREE(2) SURFACE FT-LT
100% FULL	57393.	27.68	826.00	17.33	MAXIMUM
98% FULL	56245.	27.61	825.97	17.25	
					4225.2

HEIGHT ABOVE KEEL - FEET

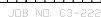


SC NINE TUBE TERMINATES @ 4TH DECK 7004 SEBB 751 AFT 50 00



HEIGHT ABOVE KEEL - FEET

STANDING WATER TERMINATES @ 3150' FROM 275' 20" 400' AFTER 95

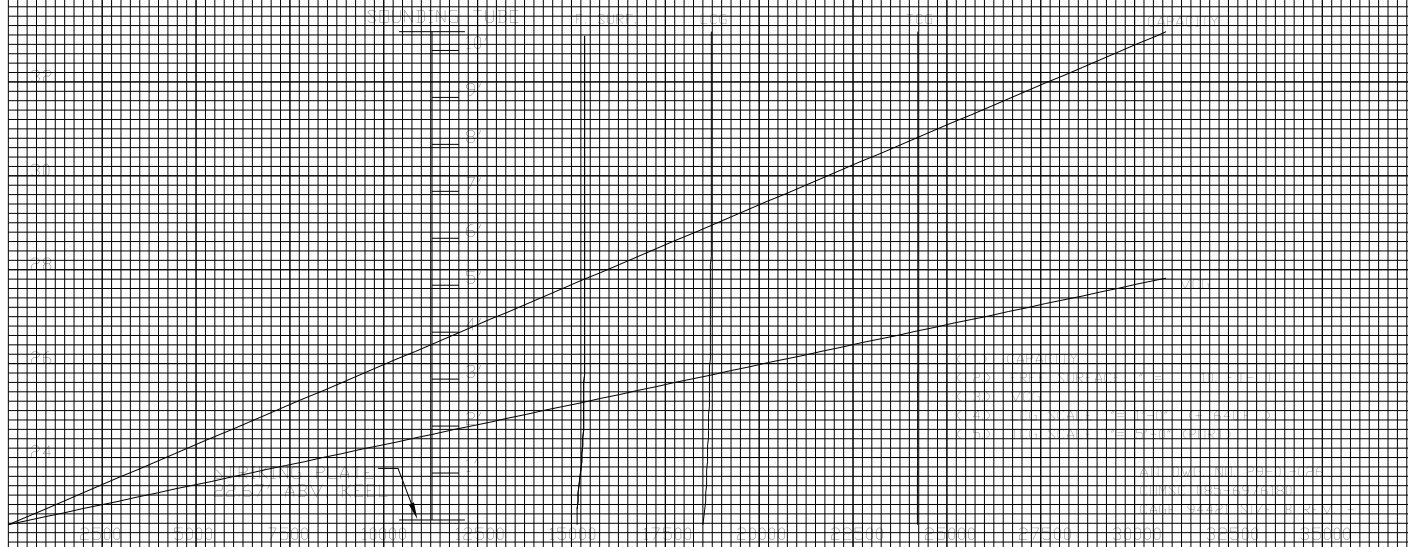


TANK: FUEL OIL SERVICE TANK P 6.5-85-2

CONDITION OF TANK	CAPACITY IN GALLONS	VCG. FT.ABOVE KEEL	LCG. FT. FROM F.P.	TCG.(1) FT. FROM CL.	FREE(2) SURFACE FT-LT
100% FULL	30837.	27.82	647.49	48.45	MAXIMUM
98% FULL	30221.	27.72	647.49	48.45	

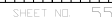
STANDING HEAD TERMINATES AT PG 4033.501 PER 1007.403 PER 403

HEIGHT ABOVE KEEL - FEET



HEIGHT ABOVE KEEL - FEET

SOUNDING TUBE TERMINATES @ 40% DECK 5117' STD 100' TWD FS 100'

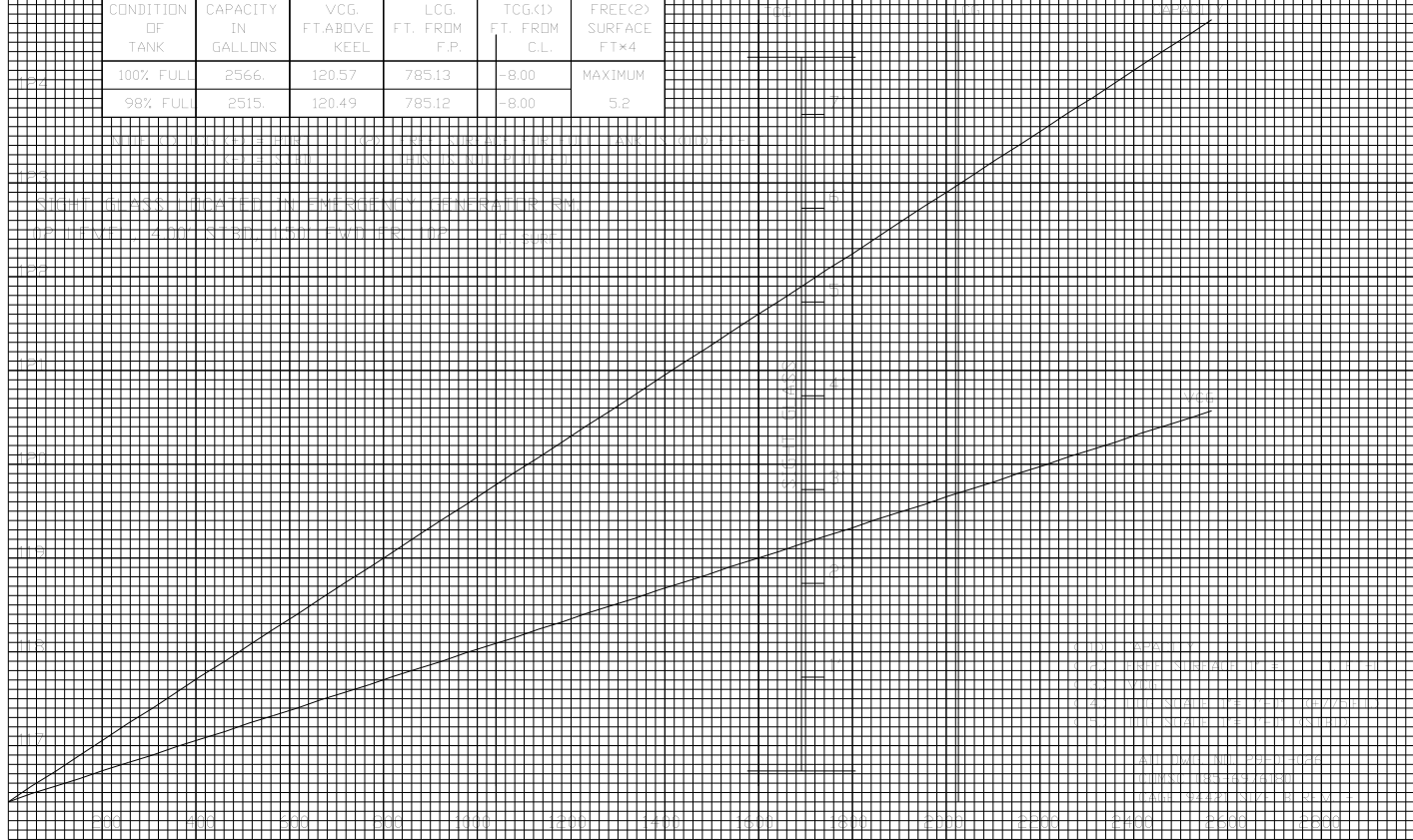


TANK: EM GEN FO SERVICE TANK 02.5-103-1

HEIGHT ABOVE KEEL - FEET

CONDITION OF TANK	CAPACITY IN GALLONS	VCG. FT. ABOVE KEEL	LCG. FT. FROM F.P.	TCG(1) FT. FROM C.L.	FREE(2) SURFACE FT*4
100% FULL	2566.	120.57	785.13	-8.00	MAXIMUM
98% FULL	2515.	120.49	785.12	-8.00	5.2

STRAIN PLATE LOCATED IN FOREPEAK, 10 FEET FROM KEEL
 12 FEET FROM FOREPEAK, 10 FEET FROM KEEL

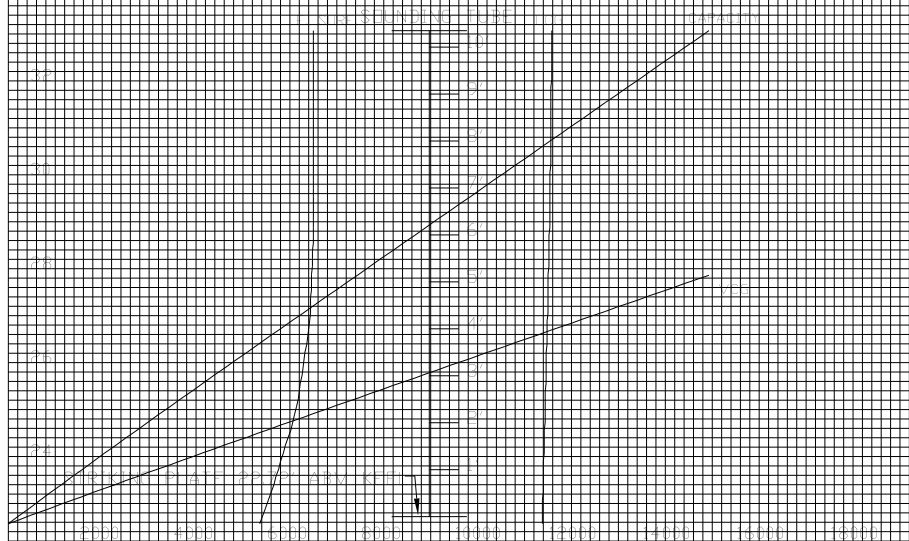


TANK: ME/SSDG LD STORAGE TANK P 6.5-91-2

CONDITION OF TANK	CAPACITY IN GALLONS	VCG. FT. ABOVE KEEL	LCG. FT. FROM F.P.	TCG(1) FT. FROM C.L.	FREE(2) SURFACE FT*4
100% FULL	14928.	27.86	685.79	48.45	MAXIMUM
98% FULL	14630.	27.76	685.79	48.45	32.5

LOADING TAP TERMINATES 8.32' CLAL 29.17' FROM 13.75' FROM THE 98%

HEIGHT ABOVE KEEL - FEET



JOB NO. C3-222

TAPE NO.

CAPACITY IN GALLONS

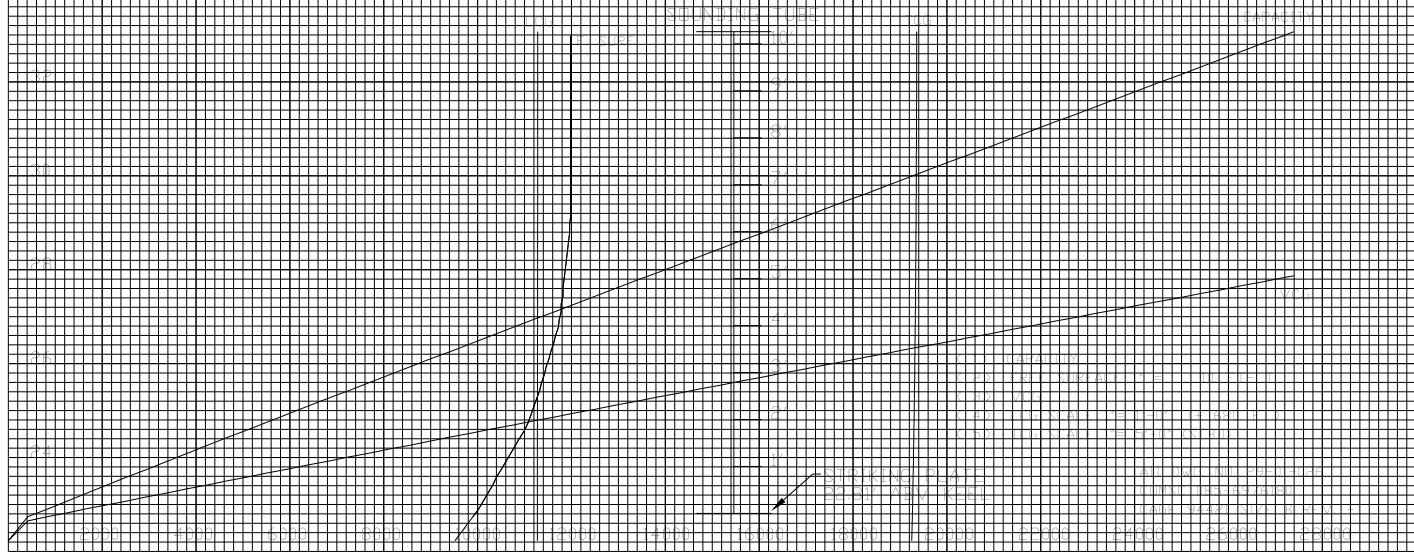
SHEET NO. 57

TANK: ME/SSDG LO STORAGE TANK S 6.5-90-1

CONDITION OF TANK	CAPACITY IN GALLONS	VCG. FT. ABOVE KEEL	LCG. FT. FROM F.P.	TCG(1) FT. FROM CL.	FREE(2) SURFACE FT-LT
100% FULL	27389.	27.87	685.64	-48.39	MAXIMUM
98% FULL	26852	27.77	685.63	-48.39	59.9

STATIONING: 1041 1042 MINUTES 1043 1044 1045 1046 1047 1048 1049 1050

HEIGHT ABOVE KEEL - FEET

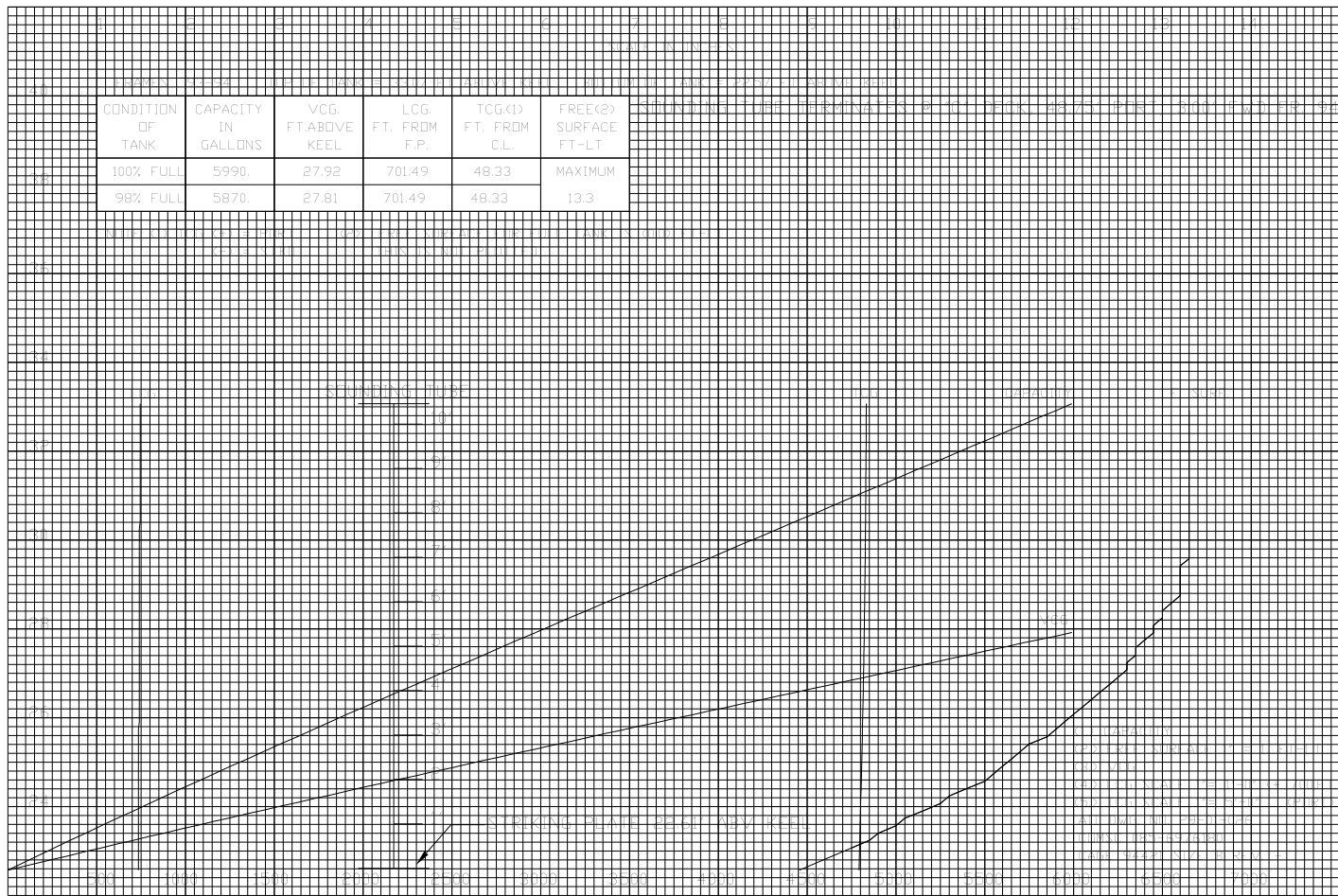


TANK: ME/SSDG LQ SETTLING TANK P 6.5-93-2

CONDITION OF TANK	CAPACITY IN GALLONS	VCG. FT. ABOVE KEEL	LCG. FT. FROM F.P.	TCG(1) FT. FROM CL	FREE(2) SURFACE FT-LT
100% FULL	5990.	27.92	701.49	48.33	MAXIMUM
98% FULL	5870.	27.81	701.49	48.33	13.3

SOLUTIONS FOR DETERMINING THE DECK 48.75' FROM 801' FROM FR 90

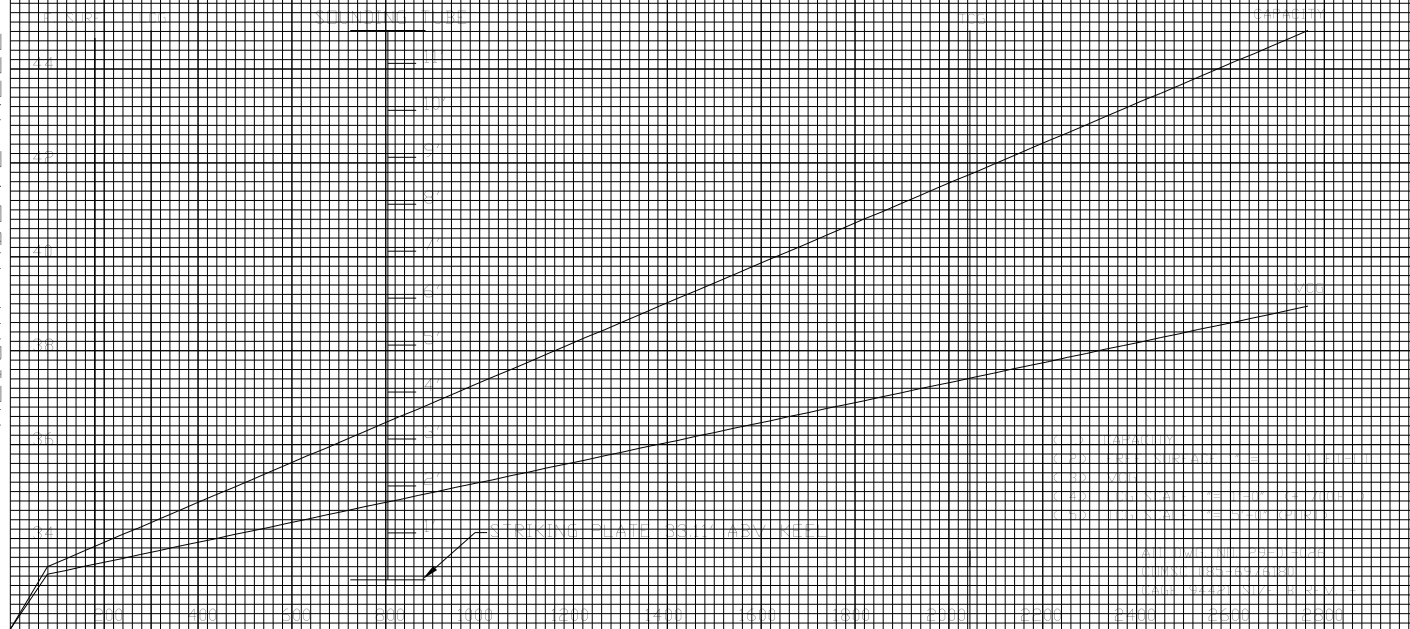
HEIGHT ABOVE KEEL - FEET



TANK: CPP LO STORAGE TANK 5-93-2

CONDITION OF TANK	CAPACITY IN GALLONS	VCG. FT.ABOVE KEEL	LCG. FT. FROM F.P.	TCG.(1) FT. FROM CL	FREE(2) SURFACE FT-LT
100% FULL	2765.	38.95	701.50	51.12	MAXIMUM
98% FULL	2710.	38.83	701.50	51.12	0.9

HEIGHT ABOVE KEEL - FEET

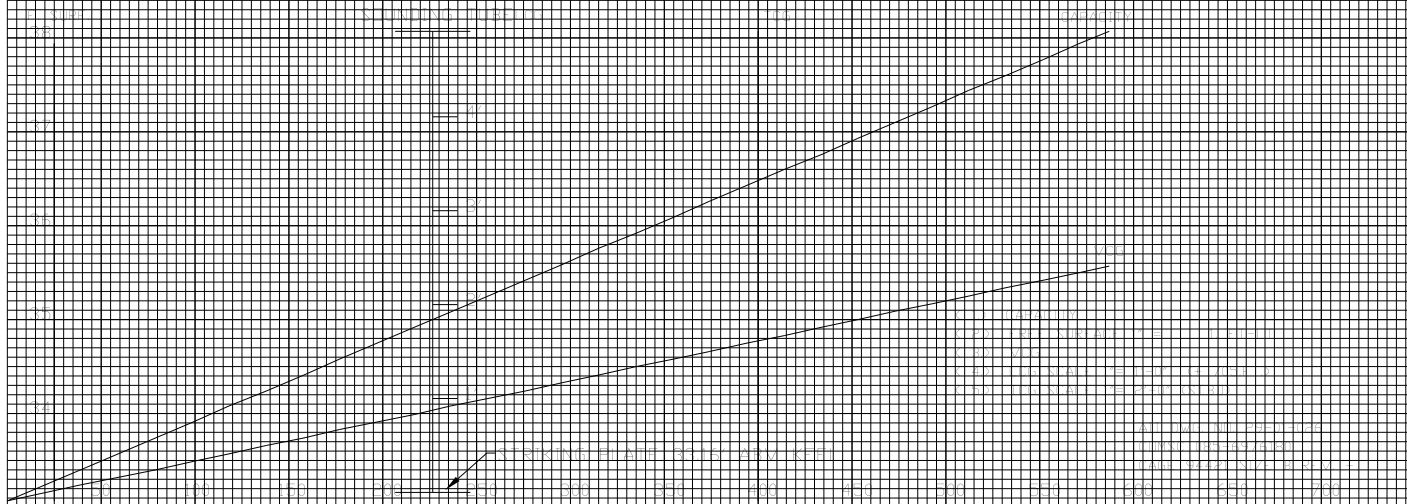


TANK: CPP LD SETTLING TANK 5-95-3

CONDITION OF TANK	CAPACITY IN GALLONS	VCG. FT. ABOVE KEEL	LCG. FT. FROM F.P.	TCG(1) FT. FROM CL.	FREE(2) SURFACE FT-LT
100% FULL	587.	35.57	710.50	-16.00	MAXIMUM
98% FULL	575.	35.52	710.50	-16.00	0.5

STABILITY CURVE TERMINATES AT 33° LIST. DEPTH 5.20, 2.75, 2.00, 1.50, 1.00, .50

HEIGHT ABOVE KEEL - FEET

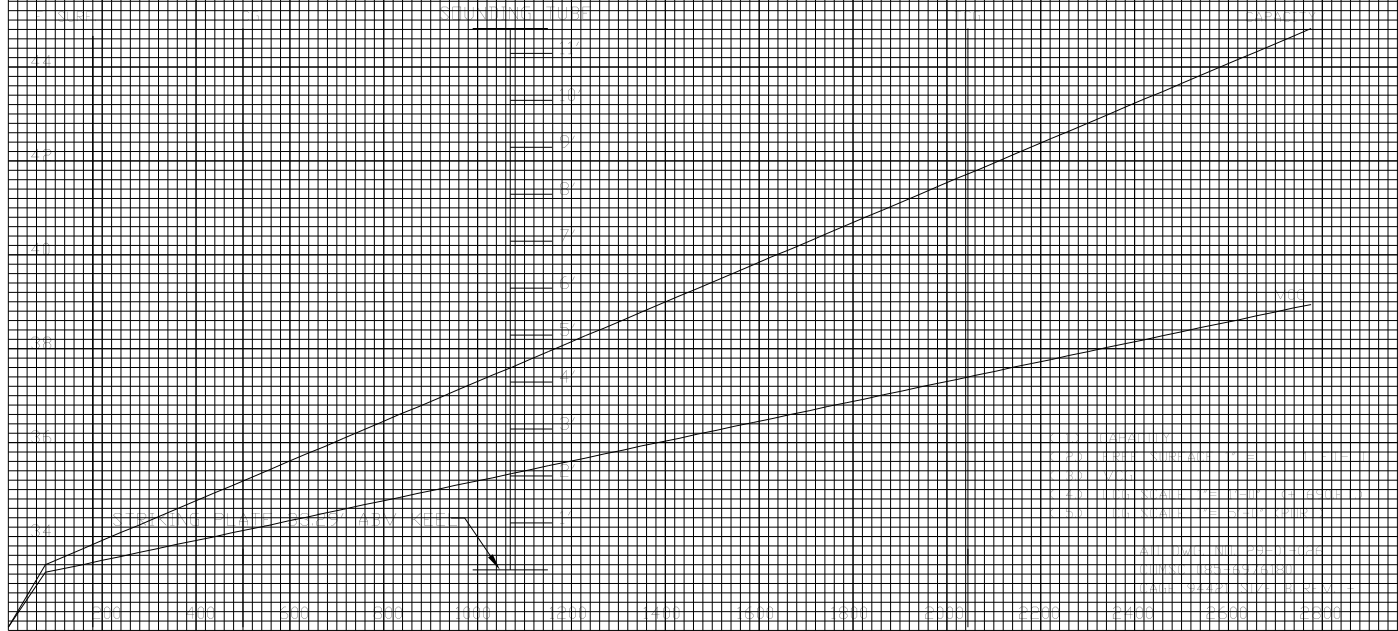


TANK: RG LO STORAGE TANK 5-92-2

CONDITION OF TANK	CAPACITY IN GALLONS	VCG, FT. ABOVE KEEL	LCG, FT. FROM F.P.	TCG(1) FT. FROM CL.	FREE(2) SURFACE FT-LT
100% FULL	2776.	38.94	692.50	51.12	MAXIMUM
98% FULL	2721.	38.83	692.50	51.12	0.9

STANDARD TANK TERMINALS 4 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100

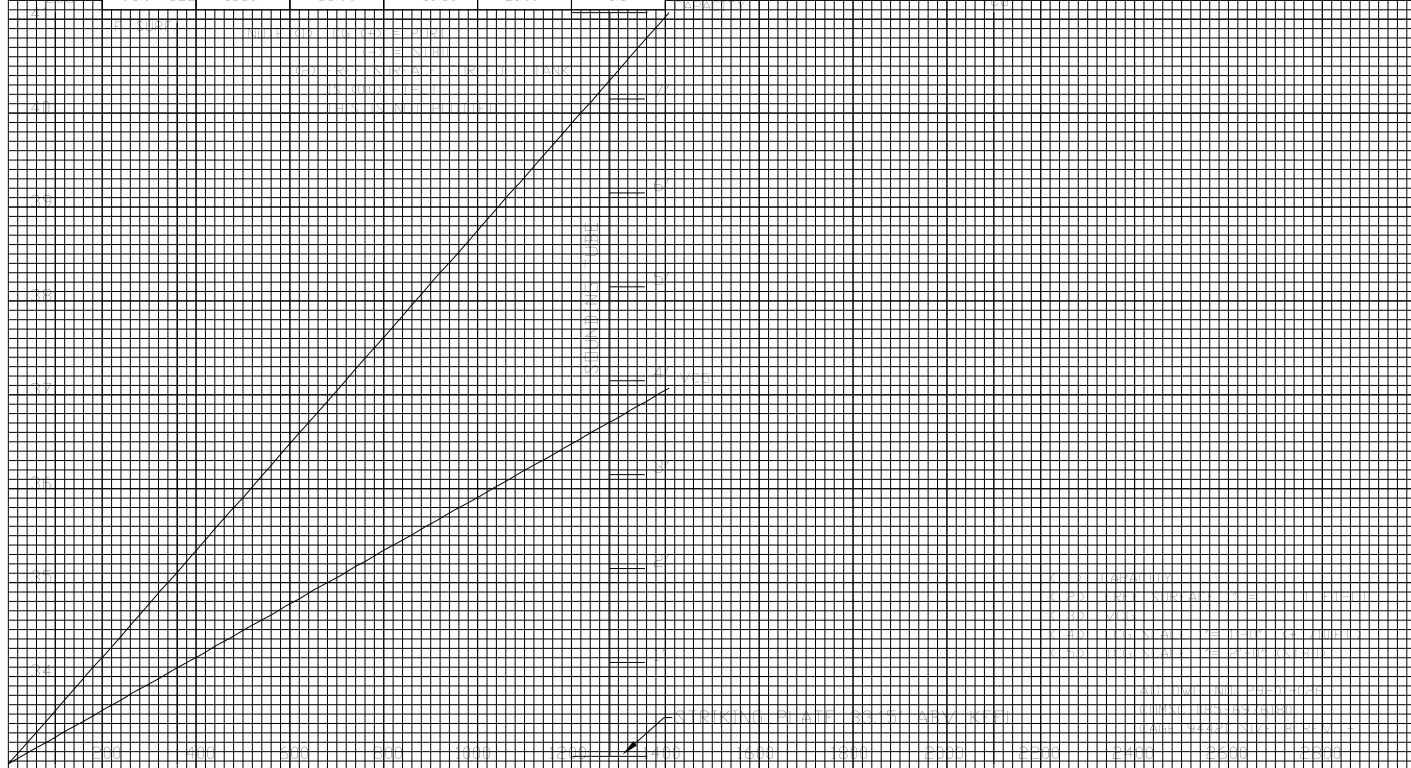
HEIGHT ABOVE KEEL - FEET



TANK: RG LO SETTLING TANK 5-95-5

CONDITION OF TANK	CAPACITY IN GALLONS	VCG, FT. ABOVE KEEL	LCG, FT. FROM F.P.	TCG<1> FT. FROM C.L.	FREE<2> SURFACE FT-LT
100% FULL	1408	37.07	710.50	-21.00	MAXIMUM
98% FULL	1380	36.99	710.50	-21.00	1.8

HEIGHT ABOVE KEEL - FEET



JOB NO. C3-222

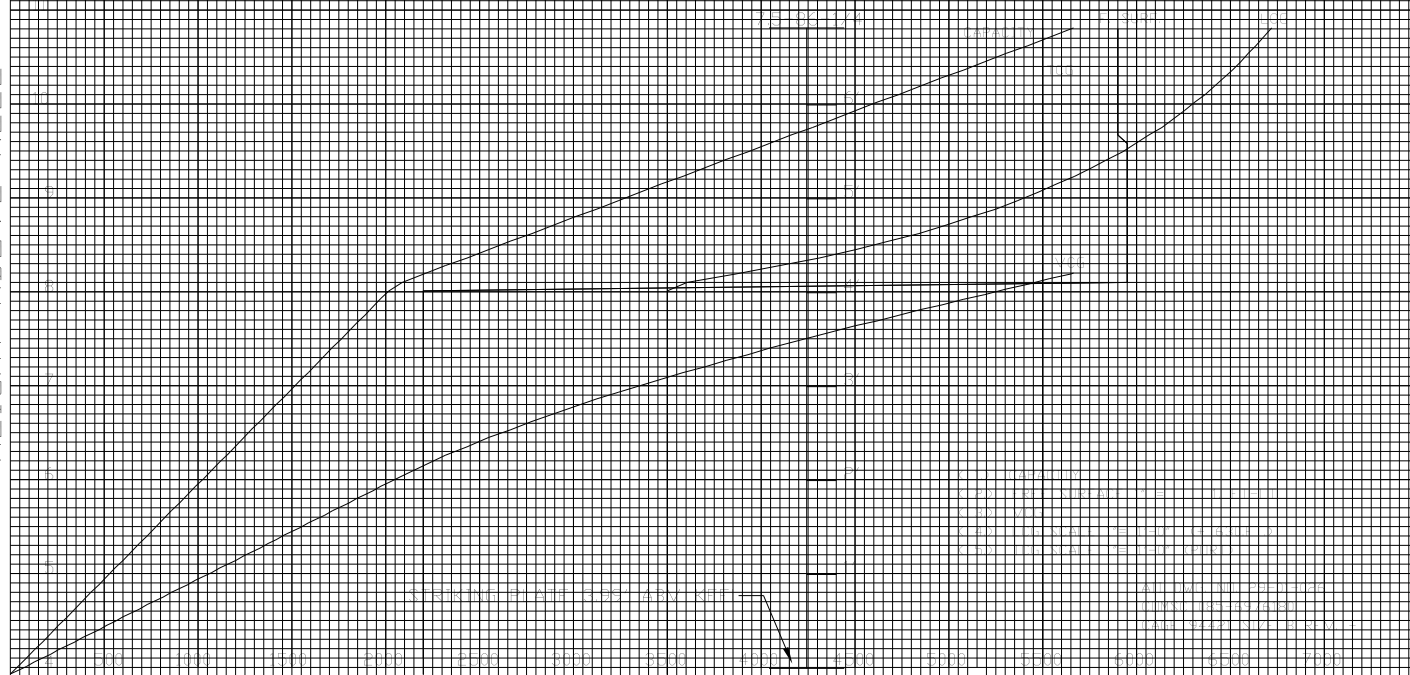
CAPACITY IN GALLONS

SHEET NO. 63

TANK: ME LO SUMP TANK P DR S 7.5-86-4/1

CONDITION OF TANK	CAPACITY IN GALLONS	VCG. FT.ABOVE KEEL	LCG. FT. FROM F.P.	TCG(1) FT. FROM CL	FREE(2) SURFACE FT-LT
100% FULL	5664.	8.20	643.44	11.00	MAXIMUM
98% FULL	5551.	8.14	643.36	11.00	11.9

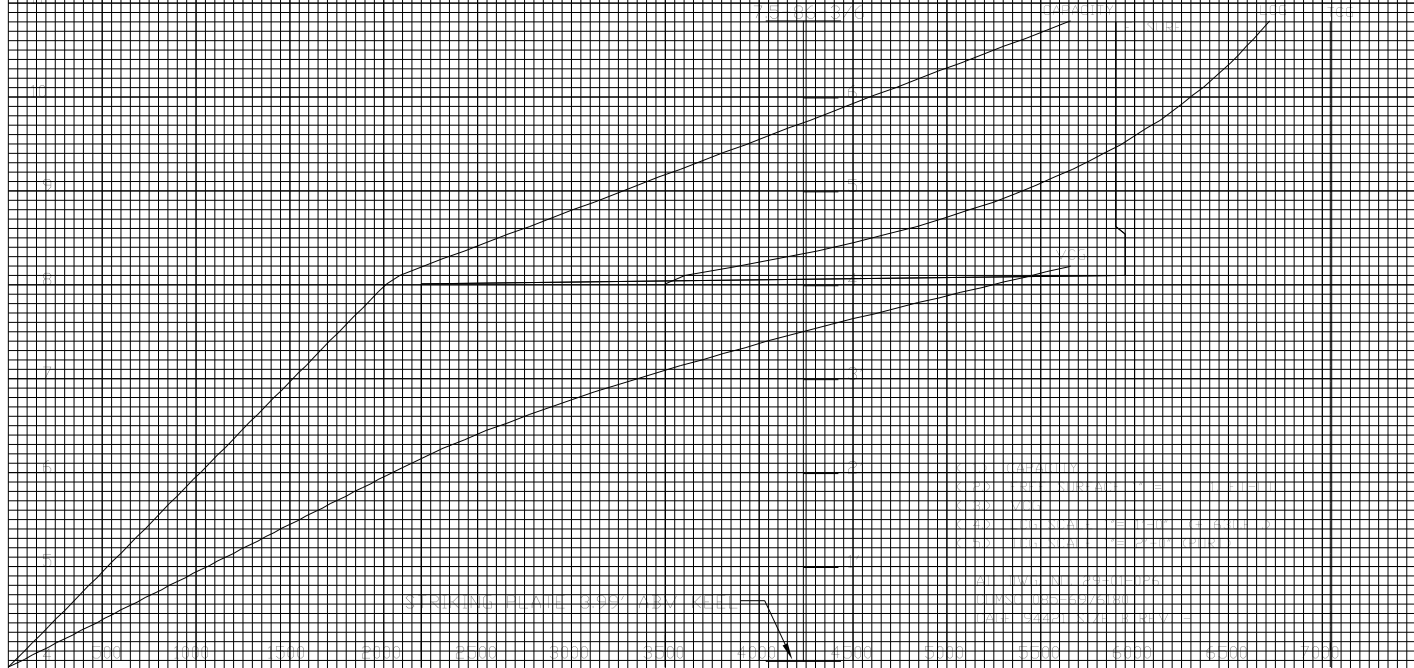
HEIGHT ABOVE KEEL - FEET



TANK: ME LO SUMP TANK P OR S 7.5-86-6/3

CONDITION OF TANK	CAPACITY IN GALLONS	VCG. FT. ABOVE KEEL	LCG. FT. FROM F.P.	TCG(1) FT. FROM CL.	FREE(2) SURFACE FT-LT
100% FULL	5659	8.20	643.44	28.17	MAXIMUM
98% FULL	5546	8.14	643.36	28.17	11.9

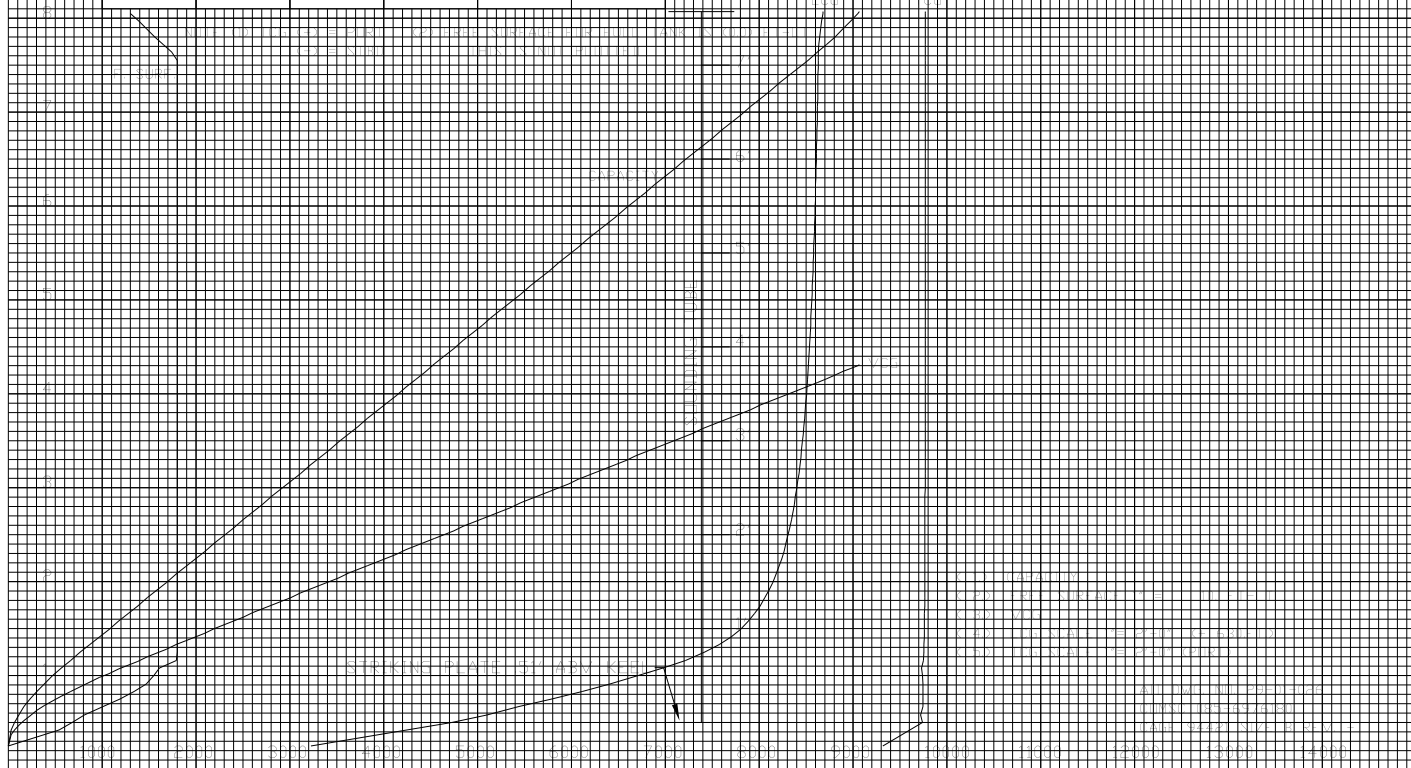
HEIGHT ABOVE KEEL - FEET



TANK: CSA WASTE OIL TANK 8-87-2

CONDITION OF TANK	CAPACITY IN GALLONS	VCG, FT. ABOVE KEEL	LCG, FT. FROM F.P.	TCG(1) FT. FROM C.L.	FREE(2) SURFACE FT-LT
100% FULL	9067.	4.31	647.36	19.54	MAXIMUM
98% FULL	8886.	4.23	647.31	19.54	18.0

HEIGHT ABOVE KEEL - FEET

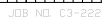


JOB NO. C3-222

CAPACITY IN GALLONS

SHEET NO. 66

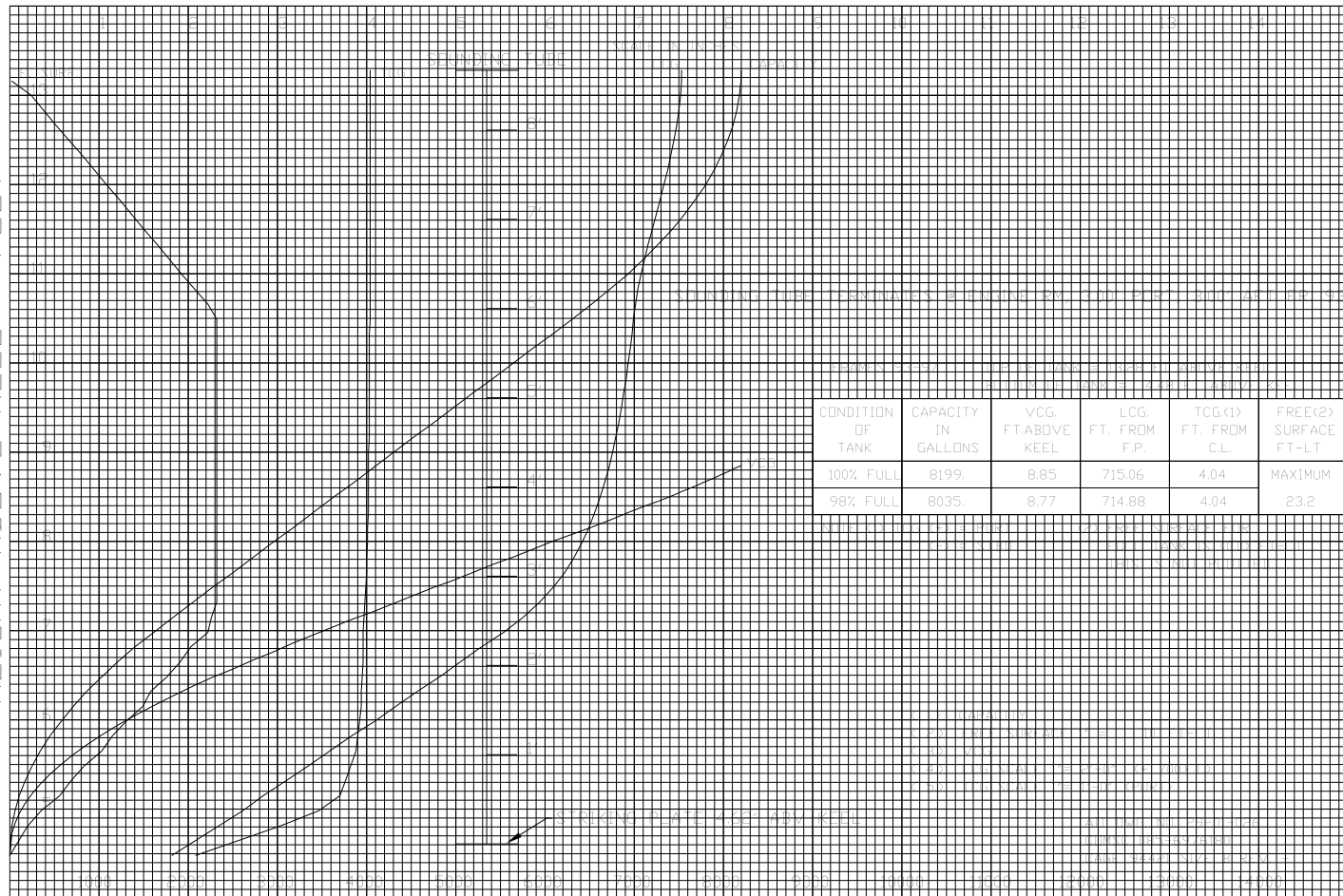
HEIGHT ABOVE KEEL - FEET

[illegible]

SHEET NO. 67

TANK: ENGINE ROOM WASTE OIL TANK 8-94-2

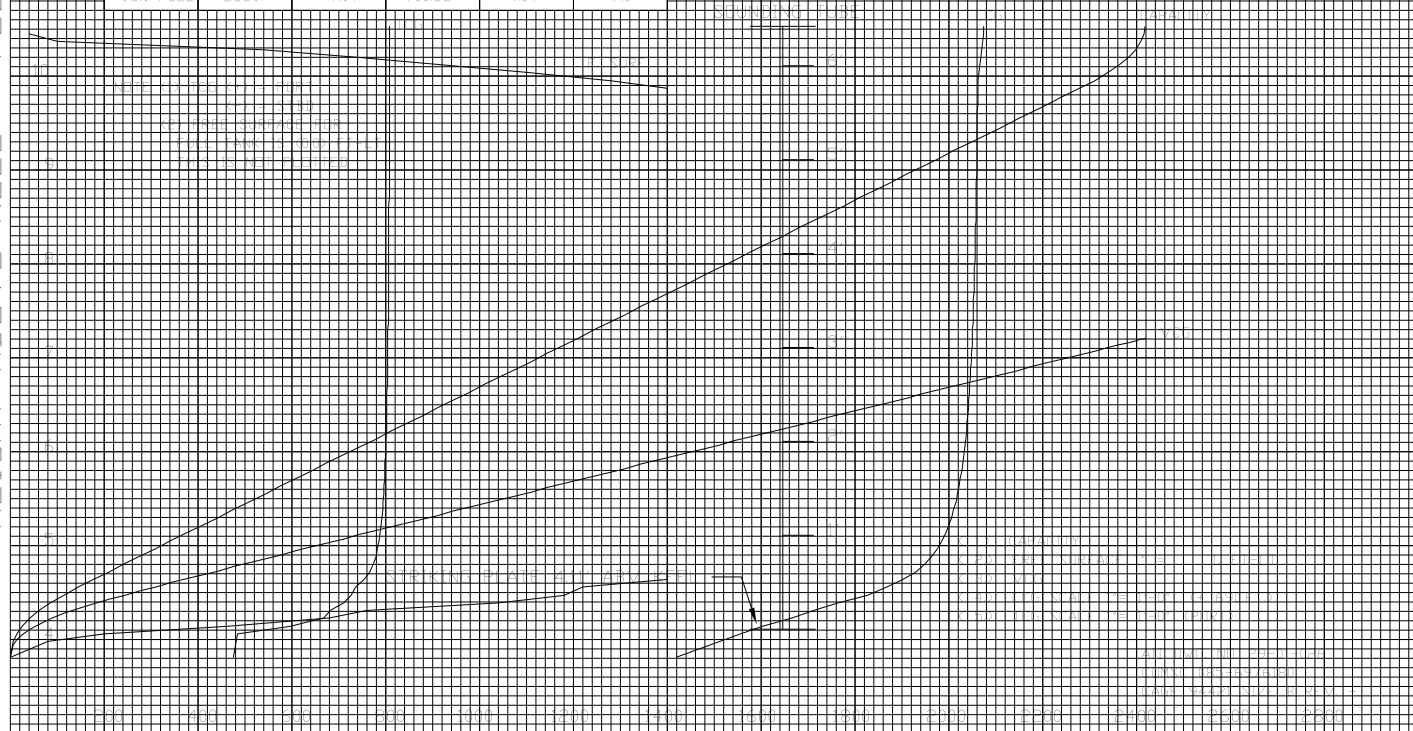
HEIGHT ABOVE KEEL - FEET



CONDITION OF TANK	CAPACITY IN GALLONS	VCG, FT. ABOVE KEEL	LCG, FT. FROM F.P.	TCG(1) FT. FROM C.L.	FREE(2) SURFACE FT-LT
100% FULL	8199	8.85	715.06	4.04	MAXIMUM
98% FULL	8035	8.77	714.88	4.04	23.2

HEIGHT ABOVE KEEL - FEET

CONDITION OF TANK	CAPACITY IN GALLONS	VCG. FT. ABOVE KEEL	LCG. FT. FROM F.P.	TCG(1) FT. FROM CL.	FREE(2) SURFACE T-LT
100% FULL	2418.	7.21	700.37	4.04	MAXIMUM
98% FULL	2369.	7.14	700.33	4.04	7.0

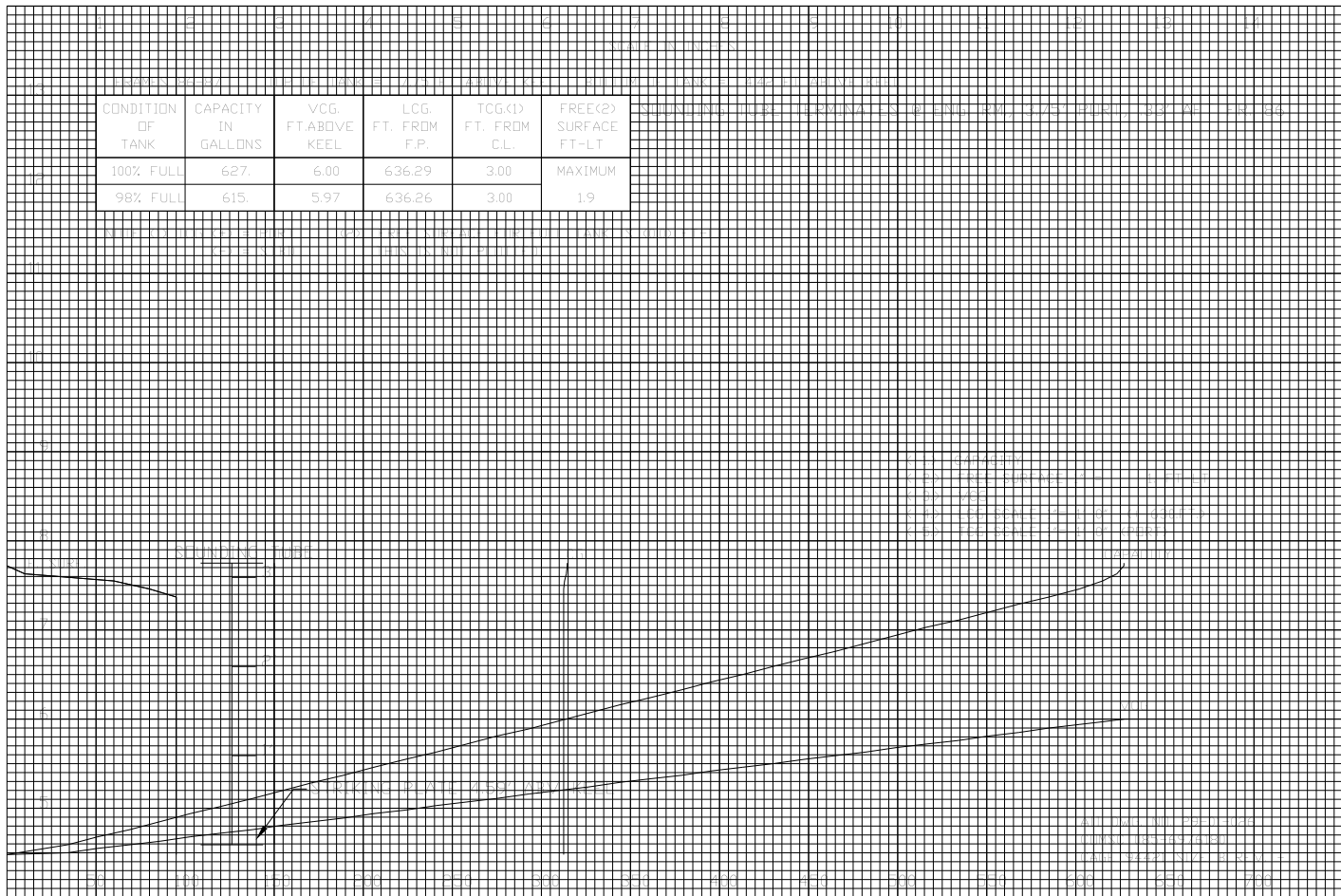


TANK: OILY WASTE DRAIN COLLECTING TANK 7.5-86-2

CONDITION OF TANK	CAPACITY IN GALLONS	VCG, FT.ABOVE KEEL	LCG, FT. FROM F.P.	TCG(1) FT. FROM CL	FREE(2) SURFACE FT-LT
100% FULL	627.	6.00	636.29	3.00	MAXIMUM
98% FULL	615.	5.97	636.26	3.00	1.9

STATIONING: 1104.34 MINUTES OF ENCL. 2M. 1.75 FEET 1104.34 DE 1104.34

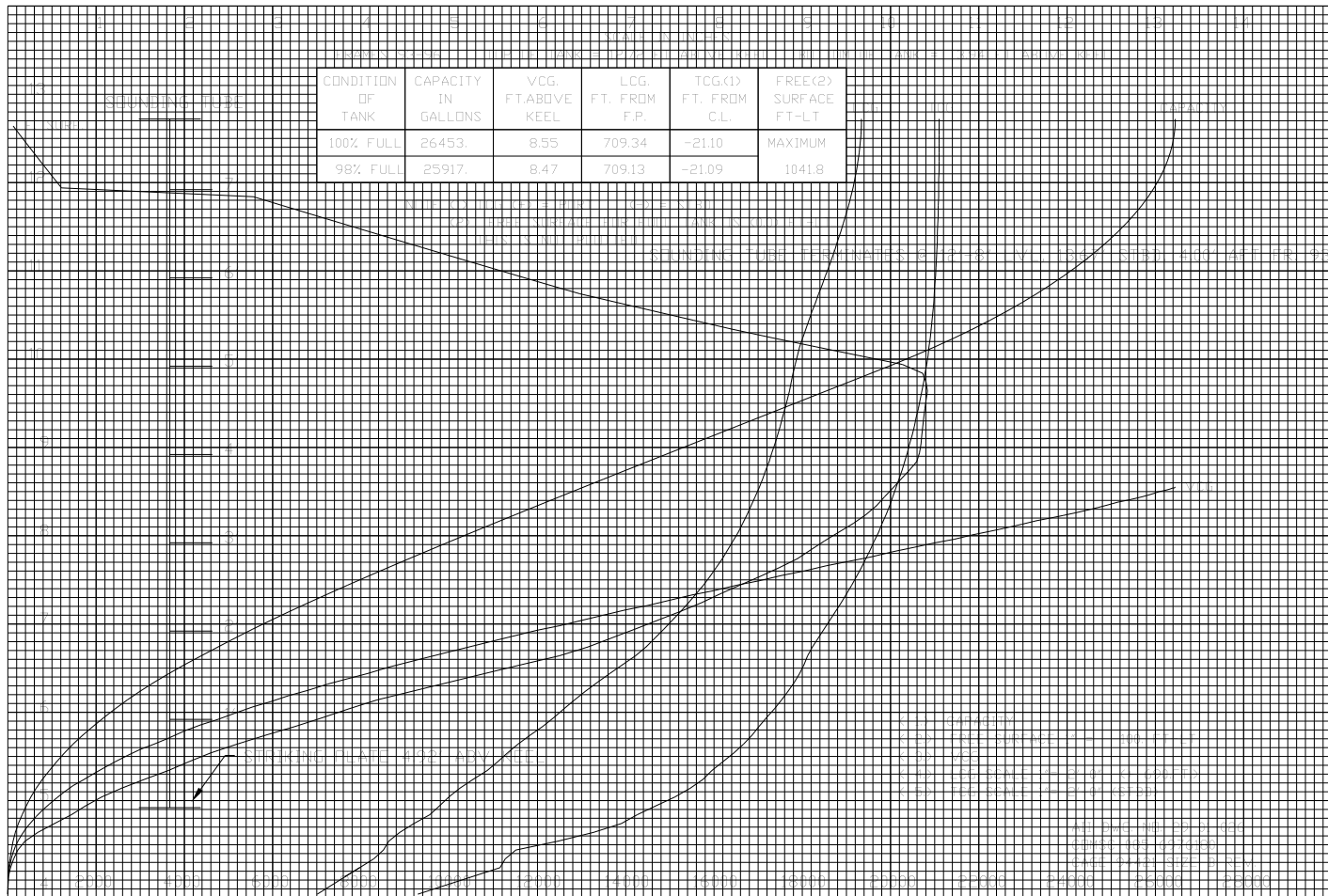
HEIGHT ABOVE KEEL - FEET



TANK: USED OIL TANK 8-93-3

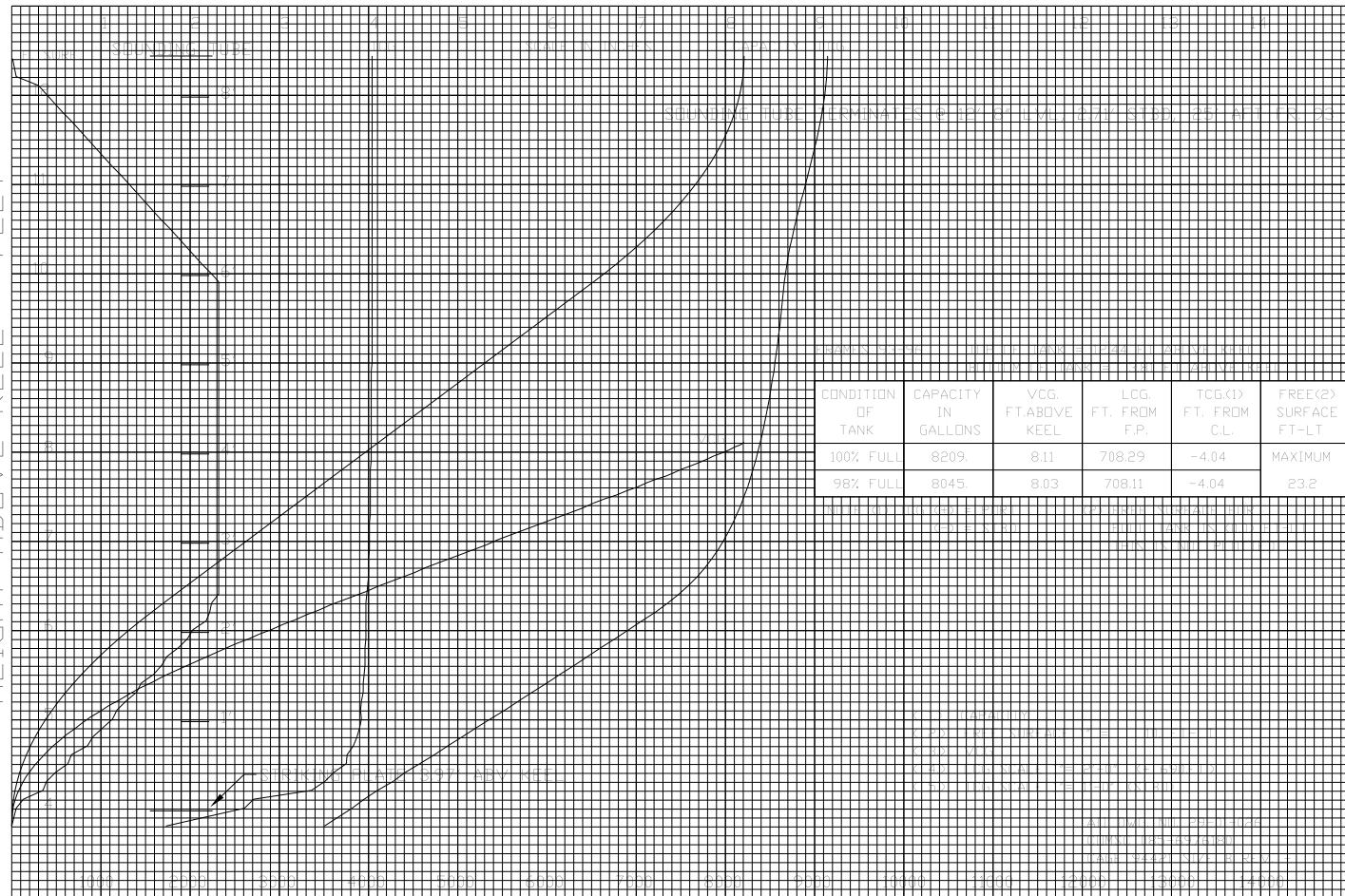
HEIGHT ABOVE KEEL - FEET

CONDITION OF TANK	CAPACITY IN GALLONS	VCG. FT. ABOVE KEEL	LCG. FT. FROM F.P.	TCG.(1) FT. FROM C.L.	FREE(2) SURFACE FT-LT
100% FULL	26453.	8.55	709.34	-21.10	MAXIMUM
98% FULL	25917.	8.47	709.13	-21.09	1041.8



TANK: FUEL OIL OVERFLOW TANK 8-93-1

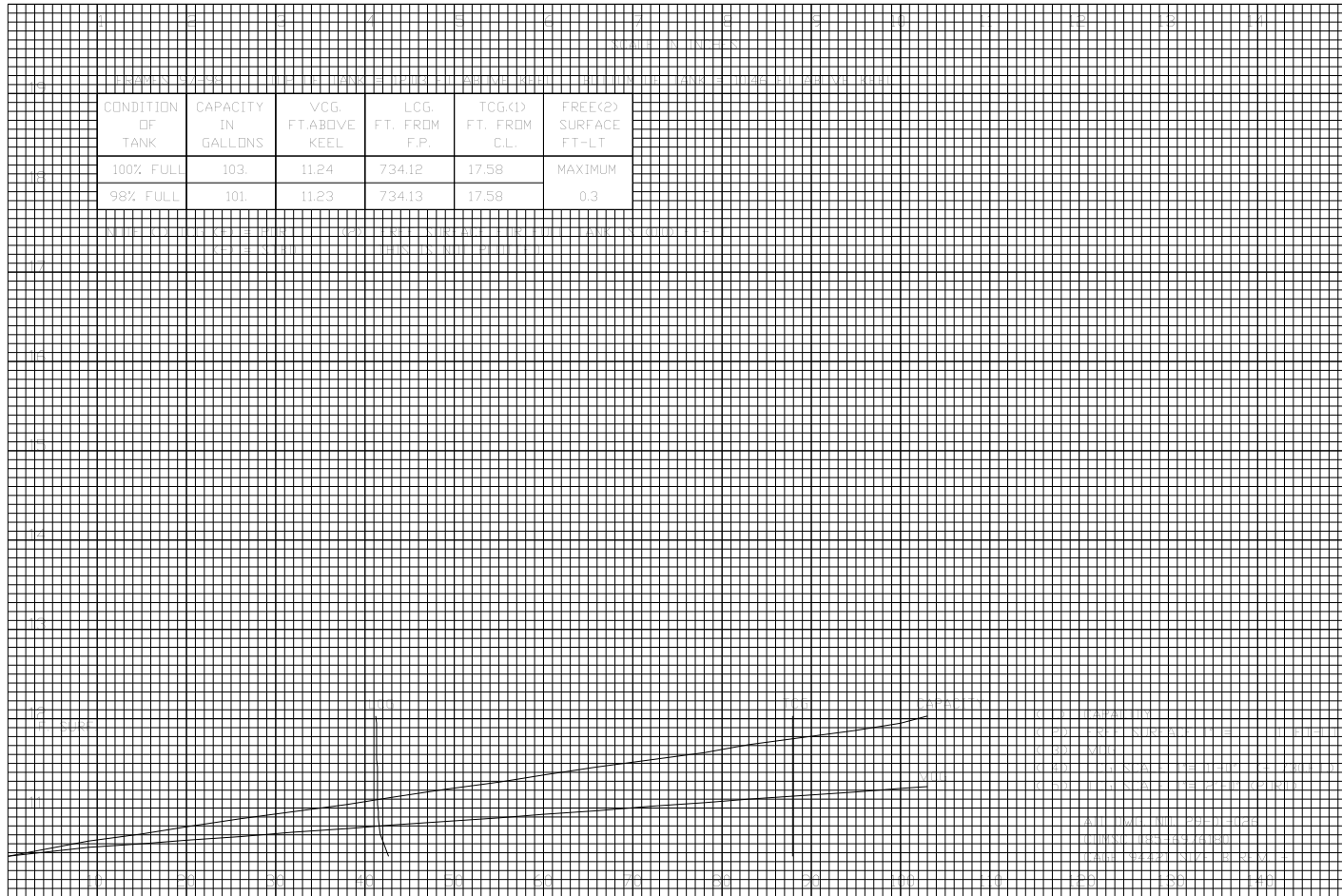
HEIGHT ABOVE KEEL - FEET



TANK: STERN TUBE LO DRAIN TANK P OR S 7.5-97-2/1

CONDITION OF TANK	CAPACITY IN GALLONS	VCG FT.ABOVE KEEL	LCG FT. FROM F.P.	TCG<1> FT. FROM CL	FREE<2> SURFACE FT-LT
100% FULL	103.	11.24	734.12	17.58	MAXIMUM
98% FULL	101.	11.23	734.13	17.58	0.3

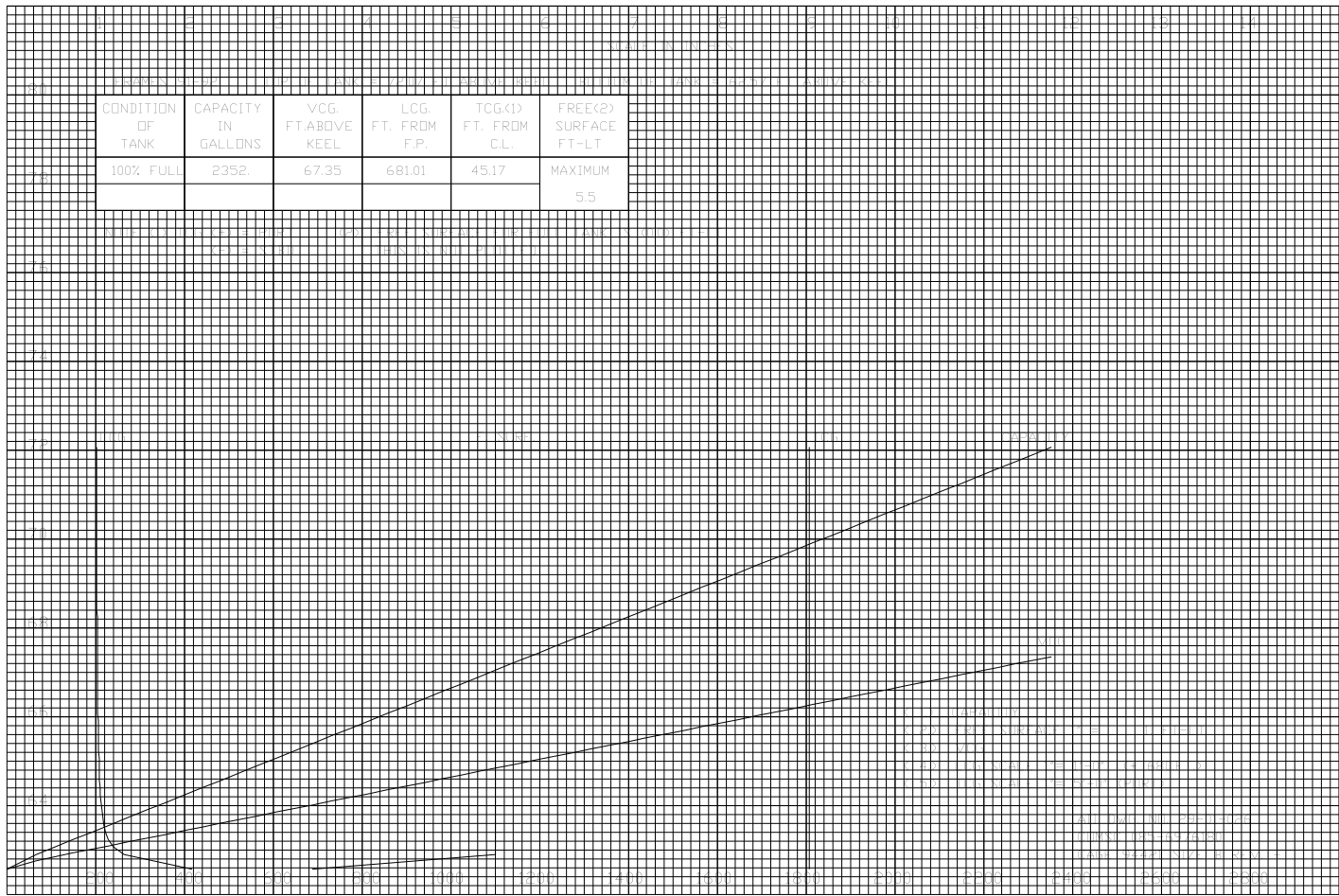
HEIGHT ABOVE KEEL - FEET



TANK: VCHT TANK 2.5-91-2

CONDITION OF TANK	CAPACITY IN GALLONS	VCG, FT. ABOVE KEEL	LCG, FT. FROM F.P.	TCG<1> FT. FROM CL	FREE<2> SURFACE FT-LT
100% FULL	2352	67.35	681.01	45.17	MAXIMUM
					5.5

HEIGHT ABOVE KEEL - FEET



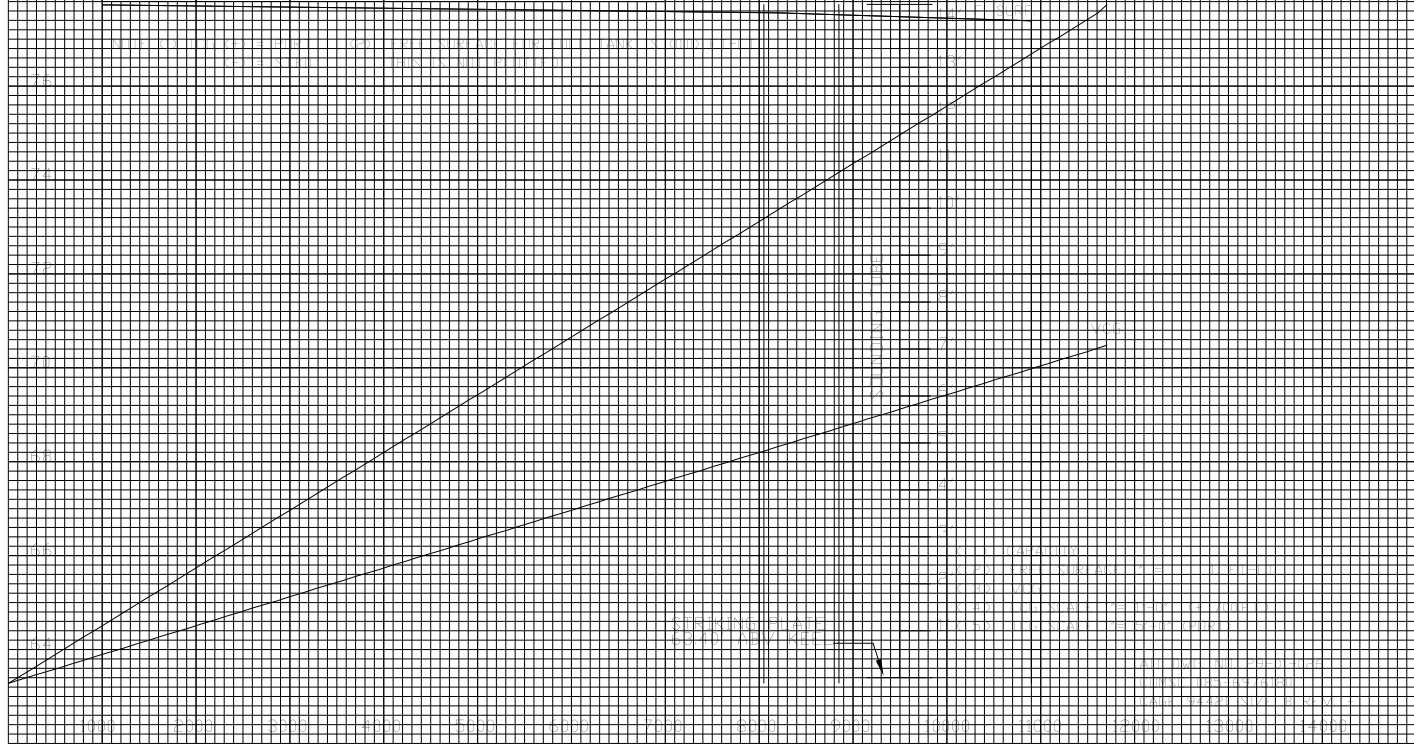
TANK: WASTE WATER TANK 2.5-94-2

HEIGHT ABOVE KEEL - FEET

CONDITION OF TANK	CAPACITY IN GALLONS	VCG. FT. ABOVE KEEL	LCG. FT. FROM F.P.	TCG.(1) FT. FROM C.L.	FREE(2) SURFACE FT.-LT.
100% FULL	11707.	70.48	708.05	44.24	MAXIMUM
					10.9

STANDING WATER DEEPENATES F. AB. FT. 2.450 PORT. 1.00 AFT. 1.84

HEIGHT ABOVE KEEL - FEET



JOB NO. C3-222

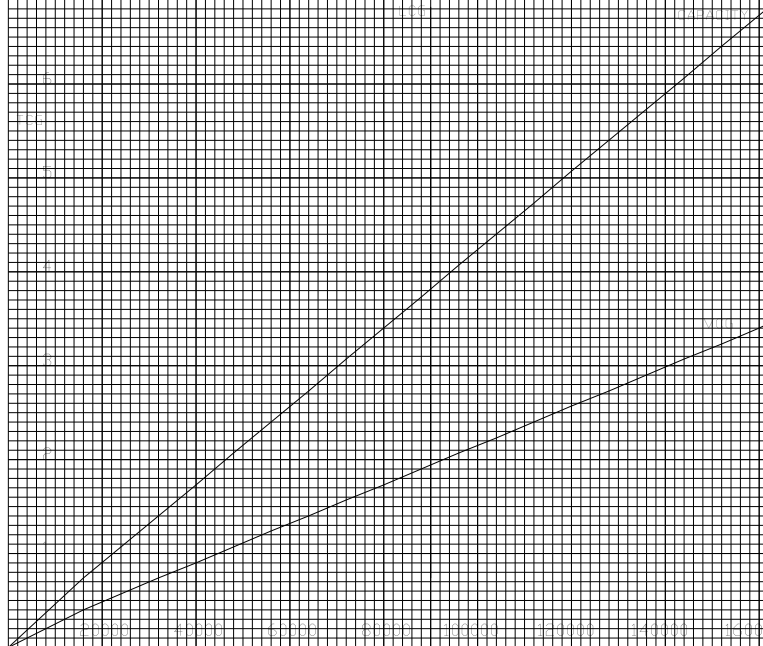
CAPACITY IN GALLONS

SHEET NO. 75

TANK: FIXED BALLAST TANK 8-57-0

CONDITION OF TANK	CAPACITY IN GALLONS	VCG, FT. ABOVE KEEL	LCG, FT. FROM F.P.	TCG<1> FT. FROM CL	FREE<2> SURFACE FT-LT
100% FULL	162126	3.45	404.50	0.00	N/A

HEIGHT ABOVE KEEL - FEET



JOB NO. C3-222

CAPACITY IN GALLONS

SHEET NO. 76